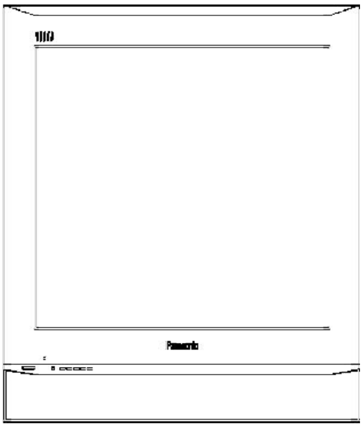
ORDER NO. PCZ0603011CE

Service Manual

Plasma Television

TH-37PA60E / TH-37PD60B / TH-42PA60E / TH-42PD60B

GP9DE Chassis



SPECIFICATIONS

Specifications

Power Source	AC 220-240 V, 50 / 60 Hz	
Power Consumption		
Average use	206 W (TH-37PA60E), 215 W (TH-37PD60B)	
	238 W (TH-42PA60E), 247 W (TH-42PD60B)	
Standby condition	0.3 W (PA60E)	
	0.3 W (PD60B Without DVB recording), 20 W (PD60B With DVB recording)	
Plasma Display panel		
Drive method	AC type	
Aspect Ratio	16:9	
Contrast Ratio	Max 10000:1	
Visible screen size / (No. of pixels)	94 cmV (37-inch), 106 cmV (42-inch)	
	818 mm (W) × 461 mm (H) × 939 mm (diagonal) (37-inch)	
	920 mm (W) × 518 mm (H) × 1,056 mm (diagonal) (42-inch)	
	408,960 (852 (W) × 480 (H)) [2,556 × 480 dots]	
Sound		
Speaker	12 cm × 6 cm × 2 pcs, 8	
Audio Output	20 W (10 W + 10 W), 10% THD	
Receiving Systems / / Band name (PA60E)	PAL B, G, H, I, SECAM B, G, SECAM L / L’	
	VHF E2 - E12	VHF H1 - H2 (ITALY)
	VHF A - H (ITALY)	UHF E21 - E69
	CATV (S01 - S05)	CATV S1 - S10 (M1 - M10)
	CATV S11 - S20 (U1 - U10)	CATV S21 - S41 (Hyperband)
	PAL D, K, SECAM D, K	

		VHF R1 - R2	VHF R3 - R5
		VHF R6 - R12	UHF E21 - E69
		PAL 525/60	
		Playback of NTSC tape from some PAL Video recorders (VCR)	
		M.NTSC	
		Playback from M. NTSC Video recorders (VCR)	
		NTSC (AV input only)	
		Playback from NTSC Video recorders (VCR)	
Receiving Systems / / Band name (PD60B)		PAL I	
		UHF E21 - 68.	
		PAL 525/60	
		Playback of NTSC tape from some PAL Video recorders (VCR) or NTSC disc playback from DVD player and recorder.	
		DVB	
		Digital terrestrial services via UHF aerial input.	
		M.NTSC	
		Playback from M.NTSC Video recorders (VCR).	
		NTSC (AV input only)	
		Playback from NTSC Video recorders (VCR).	
Aerial - Rear		VHF / UHF (PA60E)	
		UHF (PD60B)	
Operating Conditions		Temperature : 0 °C - 40 °C	
		Humidity : 20 % - 80 % RH (non-condensing)	
Connection Terminals			
AV1 (Scart terminal)		21 Pin terminal (Audio / Video in, Audio / Video out, RGB in)	
AV2 (Scart terminal)		21 Pin terminal (Audio / Video in, Audio / Video out, S-Video in, Q-Link)	
AV3 (Scart terminal)		21 Pin terminal (Audio / Video in, Audio / Video out, RGB in, S-Video in, Q-Link)	
Others	COMPONENT	Y	1.0 V[p-p] (including synchronization)
		P_B, P_R	±0.35 V[p-p]
	HDMI	TYPE A Connectors	
	AUDIO L - R	RCA PIN Type × 2	0.5 V[rms]
Output	AUDIO L - R	RCA PIN Type × 2	0.5 V[rms] (high impedance)
Dimensions (W × H × D)			
		968 mm × 641 mm × 97 mm (TV Set only) (37-inch)	
		968 mm × 704 mm × 320 mm (With Pedestal) (TH-37PA60E)	
		1,068 mm × 701 mm × 97 mm (TV Set only) (42-inch)	
		1,068 mm × 764 mm × 320 mm (With Pedestal) (TH-42PA60E)	
Weight			
		25.0 kg Net (TV Set only) (37-inch)	
		27.0 kg Net (With Pedestal) (TH-37PA60E)	
		29.0 kg Net (TV Set only) (42-inch)	
		31.0 kg Net (With Pedestal) (TH-42PA60E)	

Notes:

-Design and Specifications are subject to change without notice. Weight and Dimensions shown are approximate.

-This equipment complies with the EMC standards listed below.

EN55013, EN61000-3-2, EN61000-3-3, EN55020.

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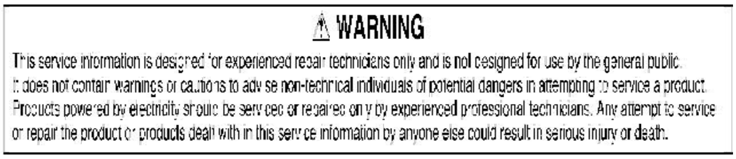
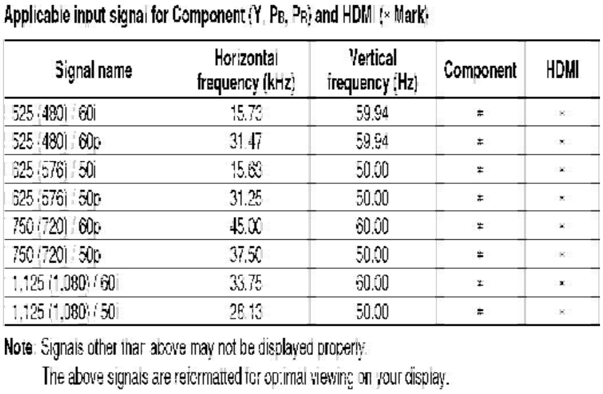


⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

1. Applicable signals



Applicable input signal for Component (Y, PB, PR) and HDMI (× Mark)

Signal name	Horizontal frequency (kHz)	Vertical frequency (Hz)	Component	HDMI
525 (480) / 60i	15.73	59.94	×	×
525 (480) / 60p	31.47	59.94	×	×
625 (576) / 50i	15.63	50.00	×	×
625 (576) / 50p	31.25	50.00	×	×
750 (720) / 60p	45.00	60.00	×	×
750 (720) / 50p	37.50	50.00	×	×
1,125 (1,080) / 60i	33.75	60.00	×	×
1,125 (1,080) / 50i	28.13	50.00	×	×

Note: Signals other than above may not be displayed properly.
The above signals are reformatted for optimal viewing on your display.

2. Safety Precautions

2.1. General Guidelines

1. **When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.**
2. **After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.**
3. **After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.**

2.2. Touch-Current Check

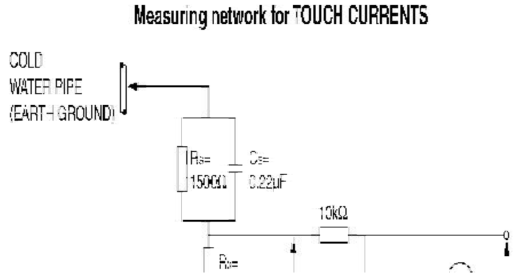
1. **Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.**
2. **Connect a measuring network for touch currents between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in Figure 1.**
3. **Use Leakage Current Tester (Simpson 228 or equivalent) to measure the potential across the measuring network.**
4. **Check each exposed metallic part, and measure the voltage at each point.**

5. **Reserve the AC plug in the AC outlet and repeat each of the above measure.**
6. **The potential at any point (TOUGH CURRENT) expressed as voltage U_1 and U_2, does not exceed the following values:**
   For a. c.: $U_1 = 35$ V (peak) and $U_2 = 0.35$ V (peak);
   For d. c.: $U_1 = 1.0$ V,

Note:
The limit value of $U_2 = 0.35$ V (peak) for a. c. and $U_1 = 1.0$ V for d. c. correspond to the values 0.7 mA (peak) a. c. and 2.0 mA d. c.
The limit value $U_1 = 35$ V (peak) for a. c. correspond to the value 70 mA (peak) a. c. for frequencies greater than 100 kHz.

7. **In case a measurement is out of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.**

Figure 1



3. Prevention of Electro Static Discharge (ESD) to Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electro static discharge (ESD).

1. **Immediately before handling any semiconductor component or**

semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.

2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as alminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static (ESD protected)" can generate electrical charge sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, alminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

   Caution

   Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise hamless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).

4. About lead free solder (PbF)

Note: Lead is listed as (Pb) in the periodic table of elements.
In the information below, Pb will refer to Lead solder, and PbF will refer to Lead Free Solder.

The Lead Free Solder used in our manufacturing process and discussed below is (Sn+Ag+Cu).
That is Tin (Sn), Silver (Ag) and Copper (Cu) although other types are available.
This model uses Pb Free solder in it's manufacture due to environmental conservation issues. For service and repair work, we'd suggest the use of Pb free solder as well, although Pb solder may be used.

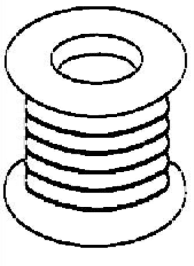
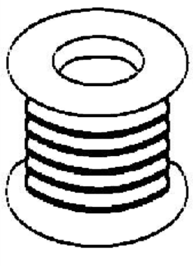
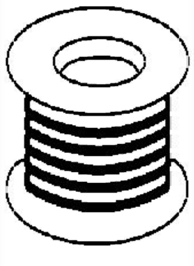
PCBs manufactured using lead free solder will have the PbF within a leaf Symbol stamped on the back of PCB.

Caution

- **Pb free solder has a higher melting point than standard solder. Typically the melting point is 50 ~ 70 °F (30~40 °C) higher. Please use a high temperature soldering iron and set it to 700 ± 20 °F (370 ± 10 °C).**
- **Pb free solder will tend to splash when heated too high (about 1100 °F or 600 °C).**
  If you must use Pb solder, please completely remove all of the Pb free solder on the pins or solder area before applying Pb solder. If this is not practical, be sure to heat the Pb free solder until it melts, before applying Pb solder.
- **After applying PbF solder to double layered boards, please check the component side for excess solder which may flow onto the opposite side. (see figure below)**

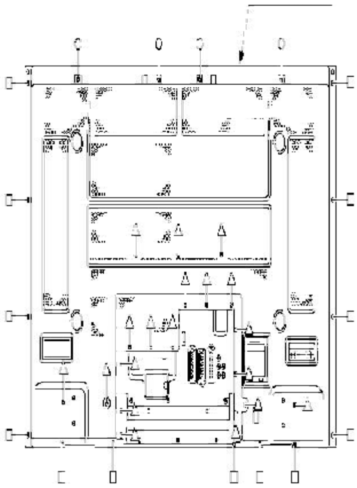
component
component

Suggested Pb free solder
There are several kinds of Pb free solder available for purchase. This product uses Sn+Ag+Cu (tin, silver, copper) solder. However, Sn+Cu (tin, copper), Sn+Zn+Bi (tin, zinc, bismuth) solder can also be used.

0.3mm X 100g	0.6mm X 100g	1.0mm X 100g
		

5. Service Hint

Remove the Back Cover



Remove:
4 screws (○) XYN4+F30FJK
13 screws (□) XTB4+12GFJK
19 screws (△) THEL0429

Board Name	Function	Board Name	Function
P	Power Supply	C1	Data Driver (Lower Right)
PA	DC-DC Converter, Speaker out, Audio AMP	C2	Data Driver (Lower Left)
H	AV Terminal, AV Switch, MSP	SC	Scan Drive
TA	Tuner	SU	Scan out (Upper)
DG	Digital Signal Processor, Micom, HDMI Interface	SD	Scan out (Lower)
XV	D-TV Interface (PD60B only)	SS	Sustain Drive
D	Format Converter, Plasma AI, Sub-Field Processor	K	Remote receiver, Power LED, Key Switch
HC	Jig Connection	S	Power Switch

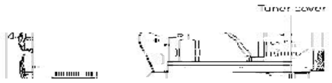
6. Plasma panel replacement method

6.1. Remove the Back cover

1. See Service Hint (Section 5)

6.2. Remove the tuner cover

1. Remove the screws (×9➡, ×7⇨, ×2).
2. Remove the tuner cover.



6.3. Remove the P-Board

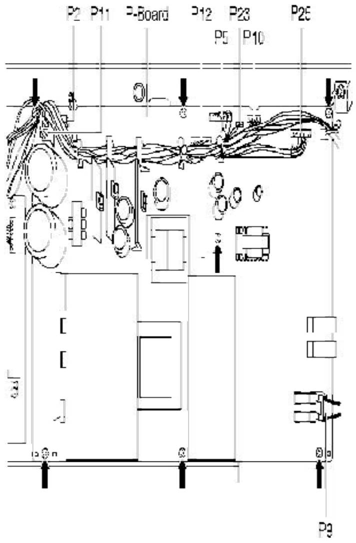
Caution:

To remove P.C.B. wait 1 minute after power was off for discharge from electrolysis capacitors.

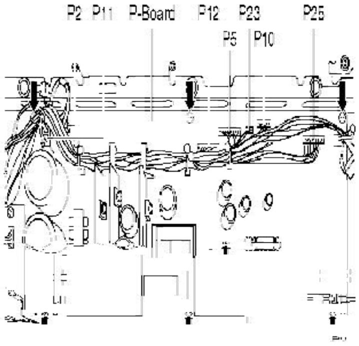
1. Unlock the cable clampers to free the cable.
2. Disconnect the couplers (P2, P5, P9, P10, P11, P12, P23, and P25).

3. Remove the screws (×7➡) and remove the P-Board.

• 37inch


P2
P11
P-Board
P12
P23
P5
P10
P25
P9

• 42inch


P2
P11
P-Board
P12
P23
P5
P10
P25

6.4. Remove the PA-Board

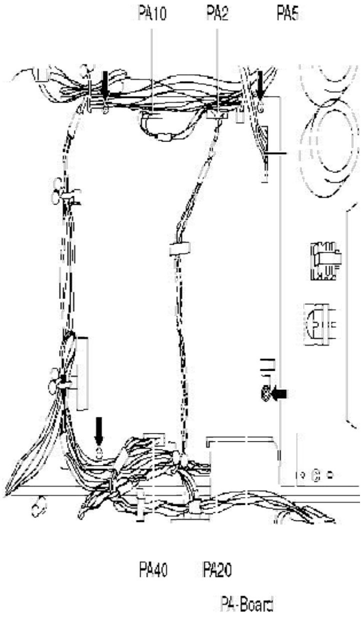
1. Unlock the cable clampers to free the cable.

2. Disconnect the couplers (PA2, PA5, PA10 and PA40).

3. Disconnect the flexible cable (PA20).

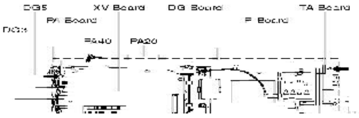
4. Remove the screws (×4).

5. Remove the PA-Board.


PA10
PA2
PA5
PA40
PA20
PA-Board

6.5. Remove the tuner unit

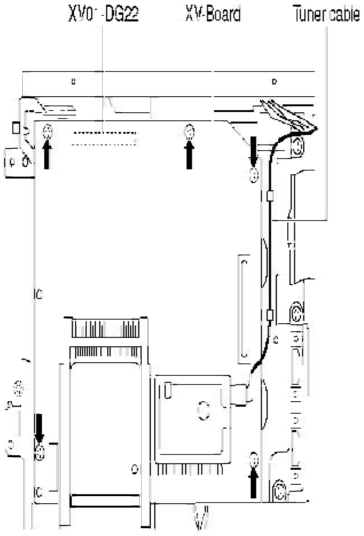
1. Unlock the cable clampers to free the cable.
2. Disconnect the couplers (DG5, H53 and PA40).
3. Disconnect the flexible cables (DG3 and PA20).
4. Remove the screws (×4➡) remove the tuner unit.


DG5
XV Board
DG Board
TA Board
PA Board
F Board
DG3
PA40
PA20

6.6. Remove the XV-Board (PD60B)

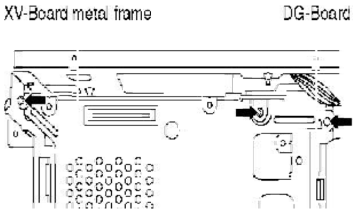
1. Unlock the cable clampers to free the cable.
2. Disconnect the tuner cable.
3. Remove the screws (×5) remove the XV-Board.

(Be careful the coupler (XV01-DG22) when remove the XV-Board.)

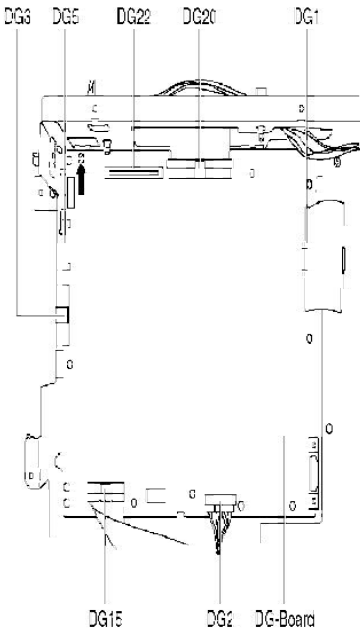

XV01-DG22
XV-Board
Tuner cable

6.7. Remove the DG-Board

1. **Remove the XV-Board (PD60B). (See section 6.6.)**
2. **Remove the screws (×8➡) and remove the XV-Board metal frame (PD60B).**


XV-Board metal frame
DG-Board

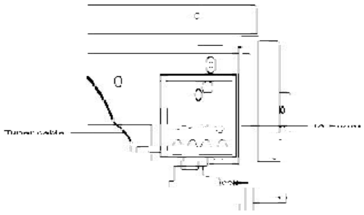
3. **Disconnect the coupler (DG2).**
4. **Disconnect the flexible cables (DG1, DG15 and DG20).**
5. **Remove the screw (×1) remove the DG-Board.**


DG3
DG5
DG22
DG20
DG1
DG15
DG2
DG-Board

6.8. Remove the TA-Board

1. Disconnect the tuner cable.

2. Remove the screw (×1➡) and remove the TA-Board.


Tuner cable

6.9. Remove the H-Board

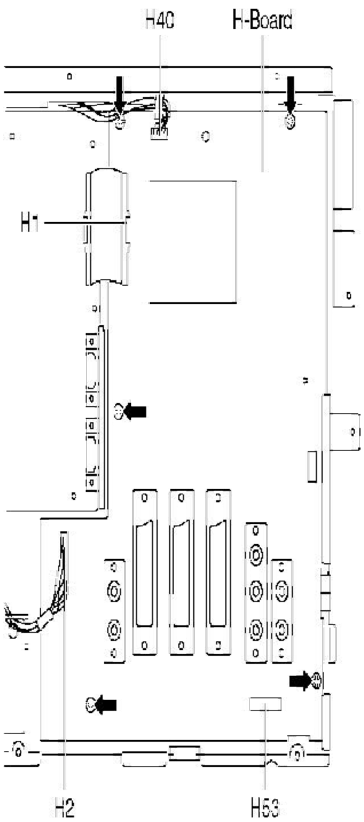
1. Remove the TA-Board.

2. Unlock the cable clampers to free the cable.

3. Disconnect the couplers (H2 and H40).

4. Disconnect the flexible cable (H1).

5. Remove the screws (×5) and remove the H-Board.



6.10. Remove the HC-Board

1. Disconnect the flexible cable (HC15).

2. Remove the screws (×2➡) and remove the HC-Board.

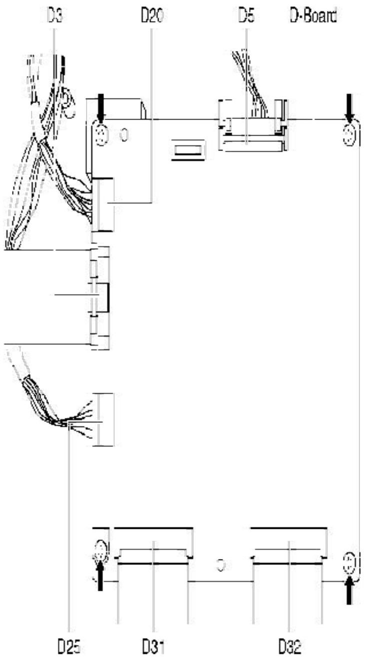
6.11. Remove the D-Board

1. Remove the tuner unit. (See section 6.5.)

2. Disconnect the couplers (D5, D20 and D25).

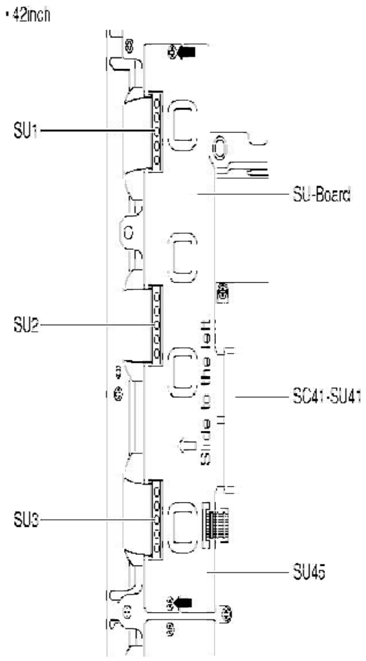
3. Disconnect the flexible cables (D3, D31 and D32).

4. **Remove the screws (×4➡) and remove the D-Board.**



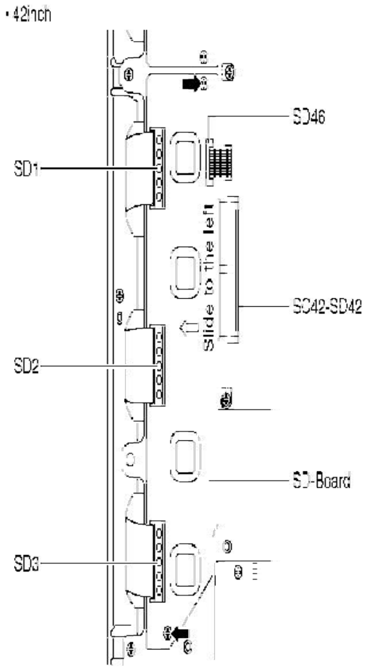
6.12. Remove the SU-Board

1. **Remove the screws (×2➡).**
2. **Remove the flexible cables (SU1, SU2 and SU3) and remove the bridge connector (SU45).**
3. **Slide the SU-Board to the left to disconnect from a coupler (SC41-SU41) on the SC-Board and remove the SU-Board.**


• 42inch
SU1
SU-Board
SU2
Slide to the left
SC41-SU41
SU3
SU45

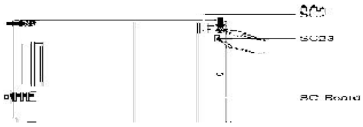
6.13. Remove the SD-Board

1. **Remove the screws (×2➡).**
2. **Remove the flexible cables (SD1, SD2 and SD3) and remove the bridge connector (SD46).**
3. **Slide the SD-Board to the left to disconnect from a coupler (SC42-SD42) on the SC-Board and remove the SD-Board.**


• 42inch
SD46
SD1
Slide to the left
SC42-SD42
SD2
SD-Board
SD3

6.14. Remove the SC-Board

1. Unlock the cable clampers to free the cable.
2. Disconnect the couplers (SC2, SC20 and SC23).
3. Remove the screws (×6➡) and remove the SC-Board.

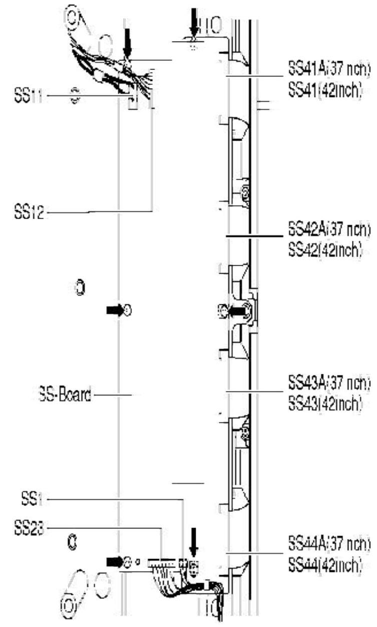

SC23
SC-Board

6.15. Remove the SS-Board

1. Disconnect the couplers (SS1, SS11, SS12 and SS23).
2. Disconnect the flexible cables (SS41A, SS42A, SS43A and SS44A) (37inch).

Disconnect the flexible cables (SS41, SS42, SS43 and SS44) (42inch).

3. Remove the screws (×6➡) and remove the SS-Board.


SS41A(37 inch)
SS41(42inch)
SS11
SS12
SS42A(37 inch)
SS42(42inch)
SS-Board
SS43A(37 inch)
SS43(42inch)
SS1
SS23
SS44A(37 inch)
SS44(42inch)

6.16. Remove the C1-Board

1. Remove the tuner unit. (See section 6.5.)

2. Unlock the cable clampers to free the cable.

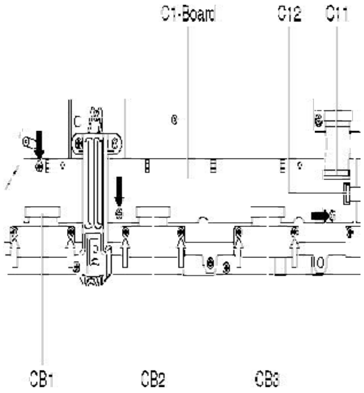
3. Remove the flexible cables holder fastening screws (×6).

4. Disconnect the flexible cables (CB1, CB2 and CB3).

5. Disconnect the flexible cables (C11 and C12).

6. Remove the screws (×3) and remove the C1-Board.

• 42inch


C1-Board
C12
C11
CB1
CB2
CB3

6.17. Remove the C2-Board

1. Remove the tuner unit. (See section 6.5.)

2. Unlock the cable clampers to free the cable.

3. Remove the flexible cables holder fastening screws (×8).

4. Disconnect the flexible cables (CB4, CB5, CB6 and CB7).

5. Disconnect the flexible cables (C21 and C22).

6. Disconnect the coupler (C23).

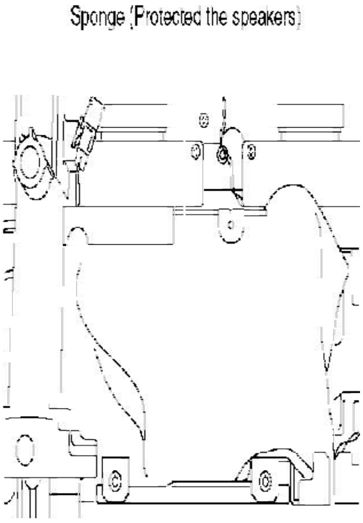
7. Remove the screws (×4➡) and remove the C2-Board.

• 37inch

C21
C22
C2-Board
C23

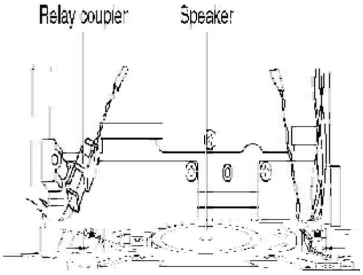
6.18. Remove the speaker L, R

1. Remove the sponge


Sponge (Protected the speakers)

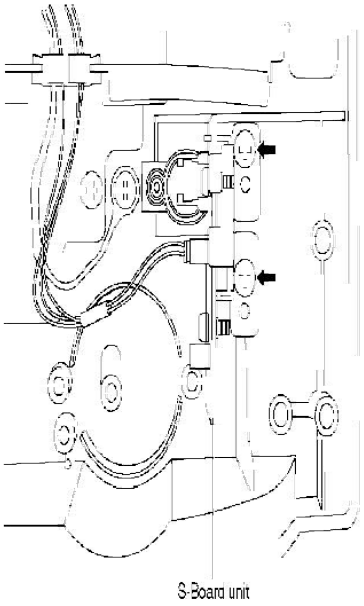
2. Disconnect the relay couplers

3. Remove the screws (×4➡ each) and remove the speaker L, R.

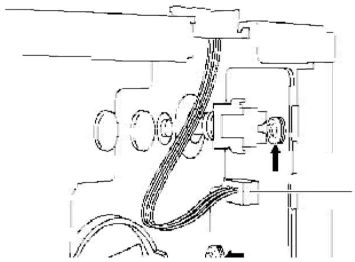

Relay coupler
Speaker

6.19. Remove the S-Board

1. Remove the screw (×2) and remove the S-Board unit.

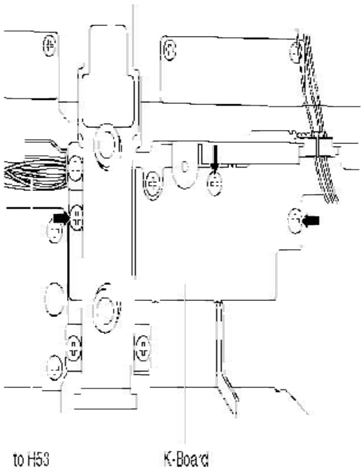


2. Unlock the cable clampers to free the cable.
3. Disconnect the coupler (S1).
4. Remove the screws (×2➡) and remove the S-Board.



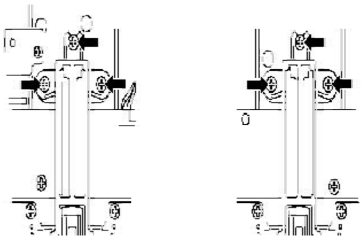
6.20. Remove the K-Board

1. Unlock the cable clampers to free the cable.
2. Disconnect the coupler (H53). (see section 6.5.)
3. Remove the screws (×3) and remove the K-Board.



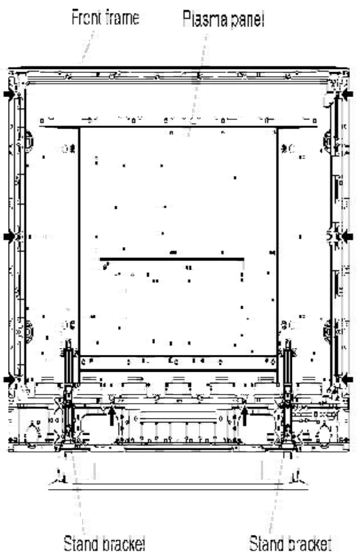
6.21. Remove the stand brackets

1. Remove the plasma panel section from the servicing stand and lay on a fiat surface such as a table (covered) with the plasma panel surface facing downward.
2. Remove the stand brackets (left, right) fastening screws (×6 each) and remove the stand brackets (left, right).

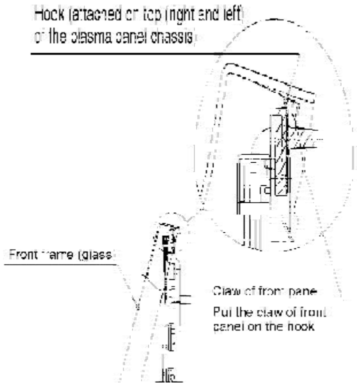


6.22. Remove the Plasma panel section from the Front frame (glass)

1. Remove the front frame and the plasma panel fastening screws (×8).
2. Remove the front frame and the stand brackets fastening screws (×6).


Front frame
Plasma panel
Stand bracket
Stand bracket

3. **For leaving the plasma panel from the front frame, pull the bottom of the front frame forward, lift, and remove.**


Hook (attached on top (right and left) of the plasma panel chassis)
Front frame (glass)
Claw of front panel
Put the claw of front panel on the hook

6.23. Replace the plasma panel (finished)

1. **Place the new plasma panel (finished) on the flat surface of the table (covered by a soft cloth), with the plasma panel surface facing downward.**
2. **Attach the C1-Board and the C2-Board, connect the flexible cables (×7) from the Plasma panel to the C1-Board and the C2-Board, and fit the**

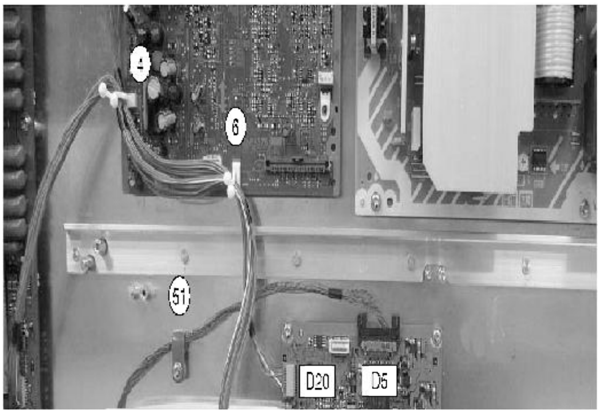
flexible cable holders.

3. **Attach the Hooks (left, right) and fit the stand brackets (L, R) to the new plasma panel.**
4. **Place the plasma panel section on the servicing stand.**
5. **Attach the front frame and each P.C.Board and so on, to the new plasma panel.**
   *** When fitting the front frame, be careful to allow any debris, dust or handling residue to remain between the front glass and plasma panel.**

7. Location of Lead Wiring

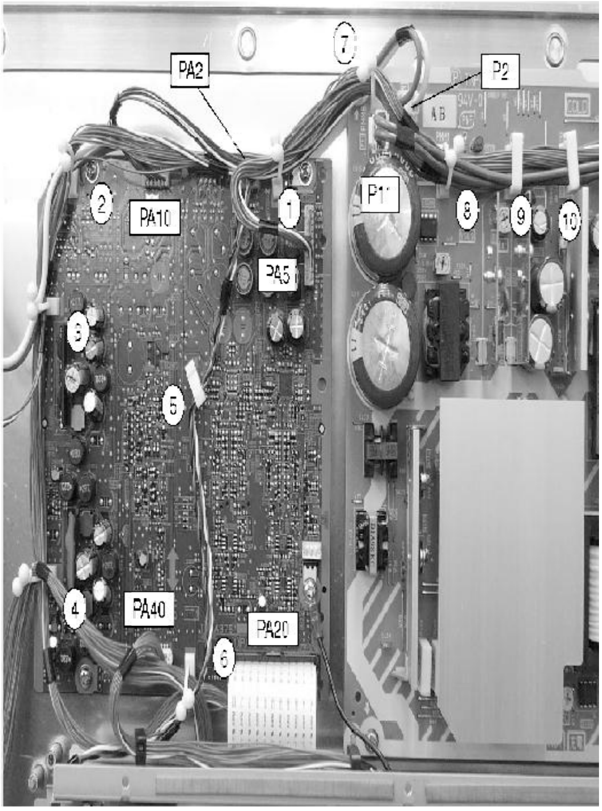
7.1. Lead of Wiring (1)

The wire is dressed as shown in figure.



7.2. Lead of Wiring (2)

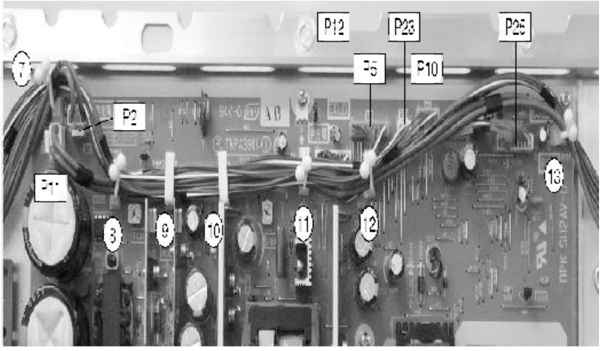
The wire is dressed as shown in figure.

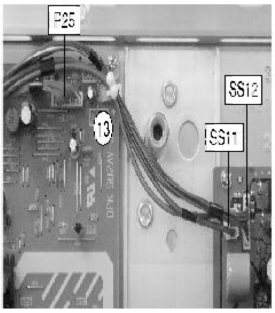

7
PA2
P2
2
PA10
1
PA5
P11
8
9
10
3
5
4
PA40
PA20
6

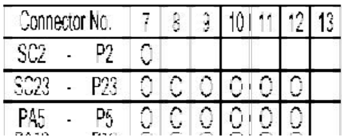
Connector No.	1	2	3	4	5	6	7	8	9	10

7.3. Lead of Wiring (3)

The wire is dressed as shown in figure.


P12
P23
P25
7
P5
P10
P2
P11
13
8
9
10
11
12

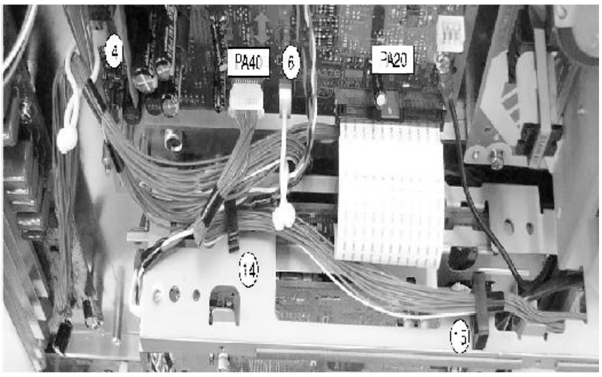

P25
SS12
13
SS11

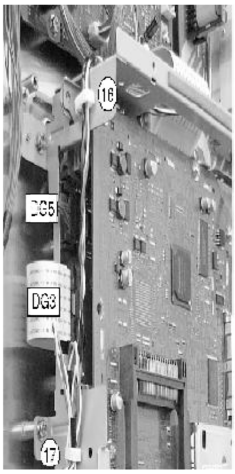


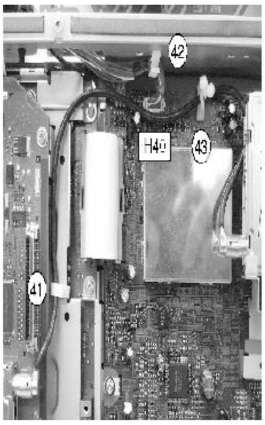
Connector No.	7	8	9	10	11	12	13
SC2 - P2	O						
SC23 - P23	O	O	O	O	O	O	
PA5 - P5	O	O	O	O	O	O	

7.4. Lead of Wiring (4)

The wire is dressed as shown in figure.

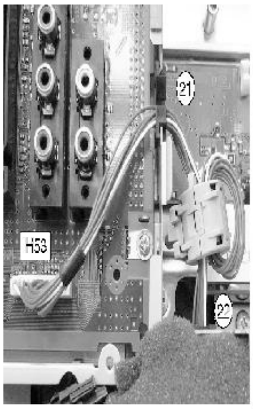

4
PA40
6
PA20
14
15

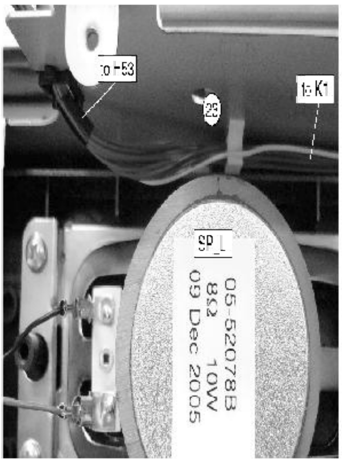

16
DG5
DG3
17

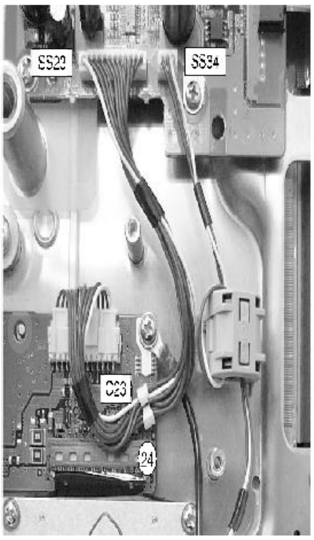


7.5. Lead of Wiring (5)

The wire is dressed as shown in figure.



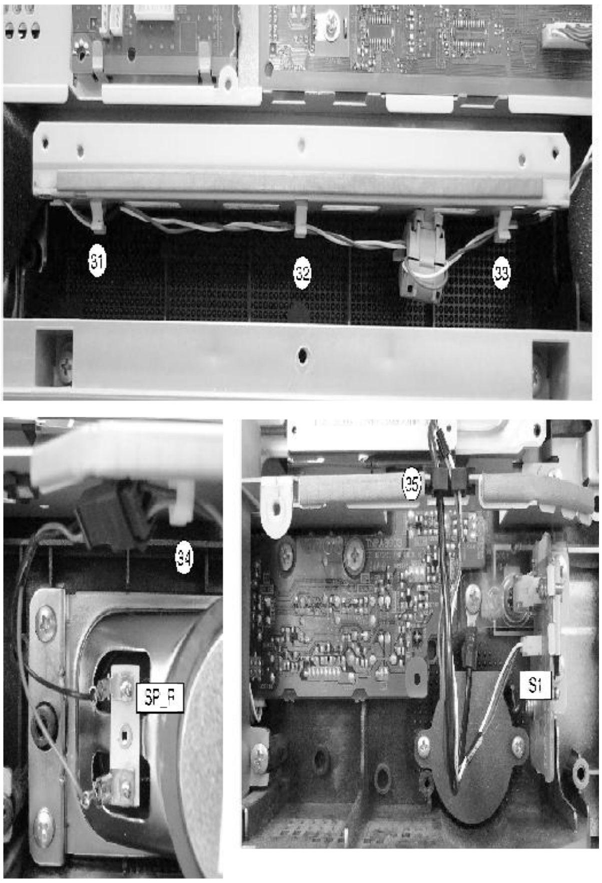

to H53
25
to K1
SP_L
05-52078B
8Ω 10W
09 Dec 2005


SS23
SS34
C23
24

Connector No.	21	22	23	24	35
H53 - K1	O	O	O		
C23 - SS23				O	
SS34 - S1					O
EARTH CABLE					O

7.6. Lead of Wiring (6)

The wire is dressed as shown in figure.

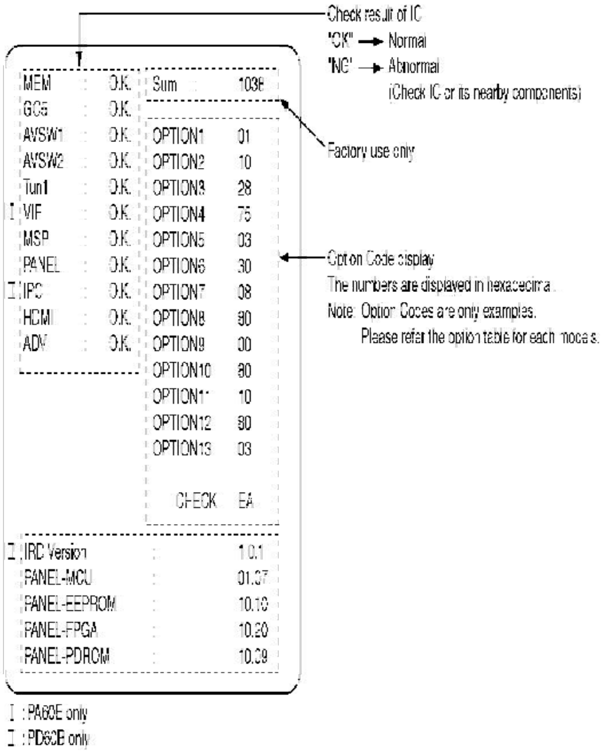


Connector No.	31	32	33	34	35
PA2 - RELAY	○	○	○	○	

8. Self Check

1. **Self-Check is used to automatically check the bus lines and hexadecimal code of the TV set.**

2. **To get into the Self -Check mode press the Down ( ) button on the customer controls at the front of the set, at the same time pressing the Information button on the remote control, and the screen will show :**



```
MEM     :  O.K.   Sum  :    103E
GC5     :  O.K.
AVSW1   :  O.K.   OPTION1    01
AVSW2   :  O.K.   OPTION2    10
Tun1    :  O.K.   OPTION3    28
VIF     :  O.K.   OPTION4    75
MSP     :  O.K.   OPTION5    03
PANEL   :  O.K.   OPTION6    30
IPC     :  O.K.   OPTION7    08
HDMI    :  O.K.   OPTION8    80
ADV     :  O.K.   OPTION9    00
                  OPTION10   80
                  OPTION11   10
                  OPTION12   80
                  OPTION13   03

                    CHECK    EA

IRD Version      :       1.0.1
PANEL-MCU        :       01.07
PANEL-EEPROM     :       10.10
PANEL-FPGA       :       10.20
PANEL-PDROM      :       10.09
```

Check result of IC
"OK" → Normal
"NG" → Abnormal
(Check IC or its nearby components)
Factory use only
Option Code display
The numbers are displayed in hexadecimal.
Note: Option Codes are only examples.
Please refer the option table for each models.
I : PA60E only
I : PD60B only

If the CCU ports have been checked and found to be incorrect or not located then "--" will appear in place of "O.K.".

Display	Ref.No.	Description	Board
MEM	**IC1102**	**EEPROM**	**DG-Board**
GC5	**IC4037**	**GC5 Processor**	**DG-Board**
AVSW1	**IC3005**	**Video SW**	**H-Board**
AVSW2	**IC2105**	**Audio SW**	**H-Board**
Tun1	**TU001**	**Tuner**	**TA-Board**
VIF	**-**	**-**	**-**
MSP	**IC2106**	**Multi Sound Processor**	**H-Board**
PANEL	**IC9003**	**Convert Micon**	**D-Board**
IPC	**IC8013**	**PEAKS Lite**	**XV-Board**
HDMI	**IC4026**	**HDMI I/F Receiver**	**DG-Board**
ADV	**IC4019**	**10bit A/D**	**DG-Board**

8.1. Power LED Blinking timing chart

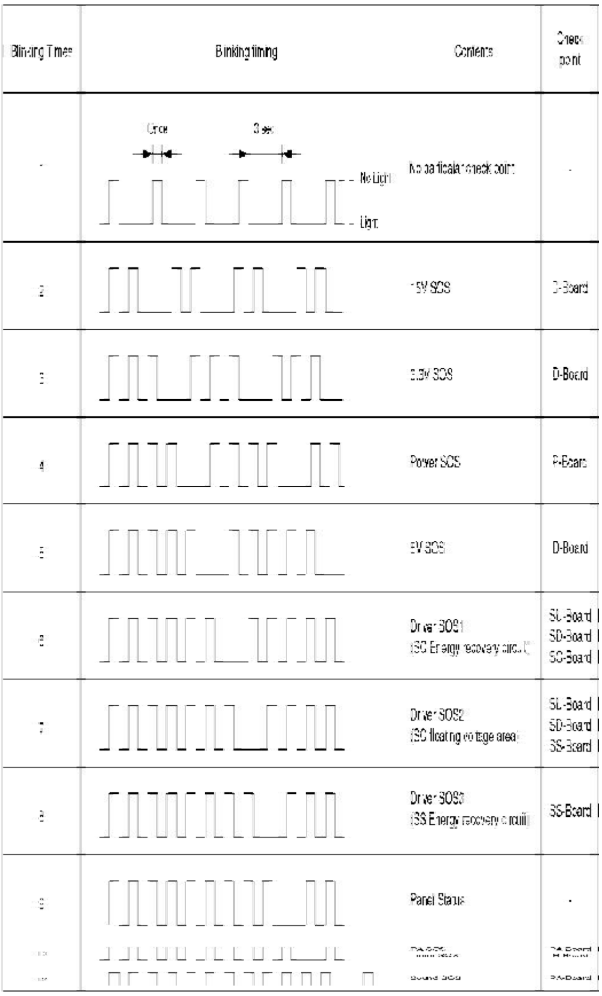
1. Subject

Information of LED Flashing timing chart.

2. Contents

When an abnormality has occurred the unit, the protection circuit operates and reset to the stand by mode. At this time, the defective block can be identified by the number of blinkes of the Power LED on

the front panel of the unit.



Blinking Times	Blinking timing	Contents	Check point
-	Once 3 sec No Light Light	No particular check point	-
2		15V SOS	D-Board
3		3.3V SOS	D-Board
4		Power SOS	P-Board
5		5V SOS	D-Board
6		Driver SOS1 (SC Energy recovery circuit)	SC-Board SD-Board SC-Board
7		Driver SOS2 (SC floating voltage area)	SC-Board SD-Board SS-Board
8		Driver SOS3 (SS Energy recovery circuit)	SS-Board
9		Panel Status	-
10		[illegible]	[illegible]
11		Sound SOS	PA-Board

8.2. No Power

[First check point]

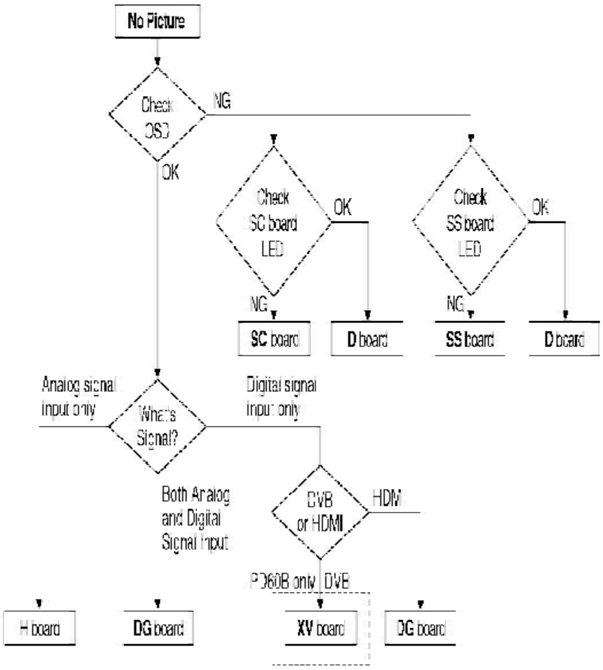
There are following 3 states of No Power indication by power LED.

1. No lit

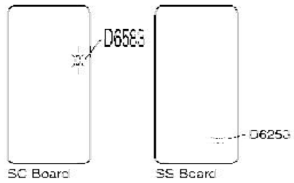
2. Green is lit then turns red blinking a few seconds later.

3. Only red is lit.

8.3. No Picture


No Picture
Check OSD
NG
OK
Check SC board LED
OK
NG
SC board
D board
Check SS board LED
OK
NG
SS board
D board
Analog signal input only
What's Signal?
Digital signal input only
Both Analog and Digital Signal input
DVB or HDMI
HDMI
PD60B only
DVB
H board
DG board
XV board
DG board

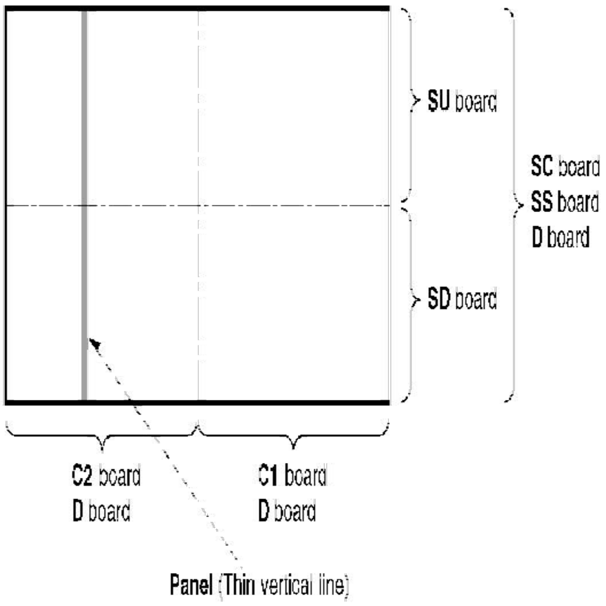
Drive circuits LED indicator


D6583
D6253
SC Board
SS Board

8.4. Local screen failure

Plasma display may have local area failure on the screen. Fig-1 is the possible defect P.C.B. for each local area.

Fig-1


SU board
SC board
SS board
D board
SD board
C2 board
D board
C1 board
D board
Panel (Thin vertical line)

<Local screen failure chart>

9. Service Mode Function

MPU controls the functions switching for each IICs through IIC bus in this chassis. The following setting and adjustment can be adjusted by remote control in Service Mode.

9.1. How to enter SERVICE 1

1. In sound menu, set BASS to MAXIMUM, and set TREBLE to MINIMUM.

2. Simultaneously press INDEX button on remote control and DOWN button [ ] on the TV set.

9.2. How to enter SERVICE 2

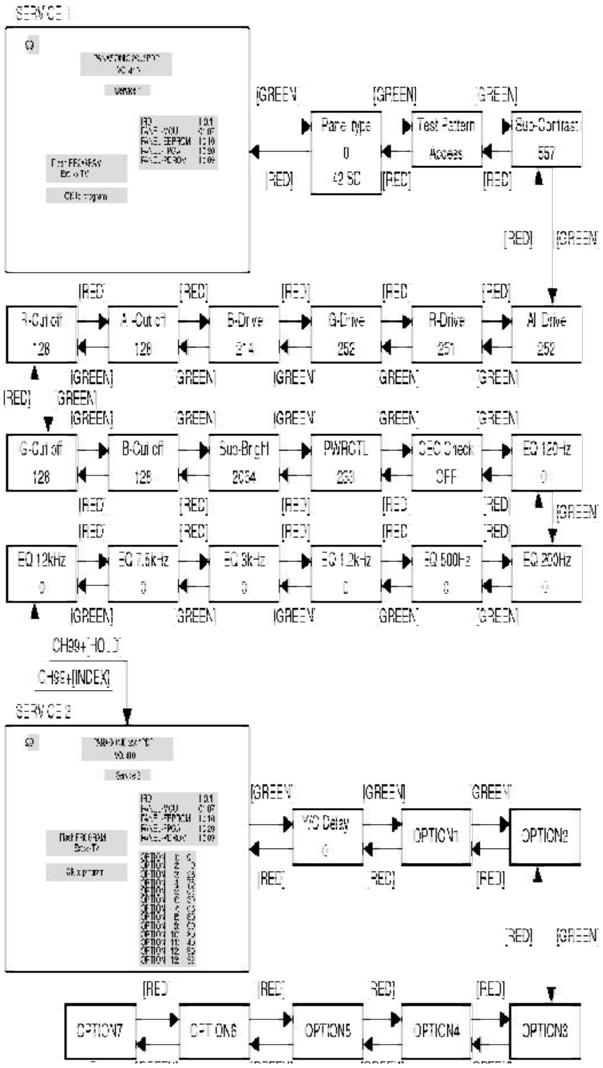
1. Set the channel to CH99.

2. Select the EQ 12kHz.

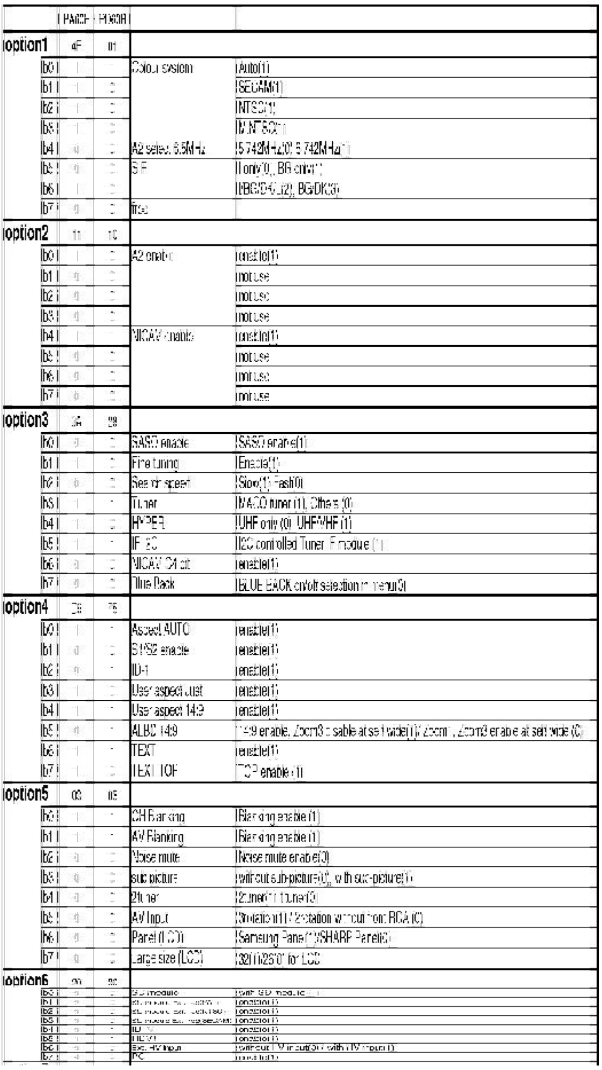
3. Press HOLD button on remote control.

Note:

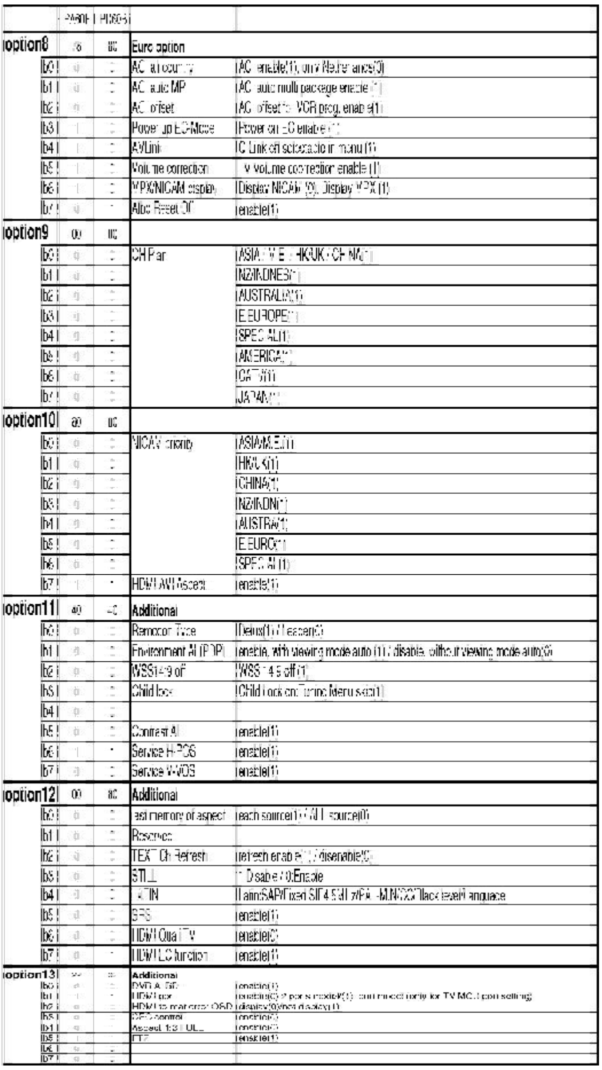
To exit to Service mode, press EXIT or Power button on remote control.


SERVICE 1
[GREEN]
[RED]
Panel type
0
42 SD
Test Pattern
Access
Sub-Contrast
557
R-Cut off
128
R-Cut off
128
B-Drive
214
G-Drive
252
R-Drive
251
All Drive
252
G-Cut off
128
B-Cut off
128
Sub-Bright
2054
PWRCTL
233
CEC Check
OFF
EQ 120Hz
0
EQ 12kHz
0
EQ 7.5kHz
0
EQ 3kHz
0
EQ 1.2kHz
0
EQ 500Hz
0
EQ 200Hz
0
CH99+[HOLD]
CH99+[INDEX]
SERVICE 2
Y/C Delay
0
OPTION1
OPTION2
OPTION3
OPTION4
OPTION5
OPTION6
OPTION7

9.3. Option Description



	[illegible]	[illegible]		
option1	4F	01		
b0	1	1	Colour system	Auto(1)
b1	1	0		SECAM(1)
b2	1	0		NTSC(1)
b3	1	0		M-NTSC(1)
b4	0	0	A2 select 6.5MHz	5.742MHz(0) 5.742MHz(1)
b5	0	0	S.IF	I only(0), BG only(1)
b6	1	0		I/BG/DK(2), BG/DK(3)
b7	0	0	fixed	
option2	11	10		
b0	1	0	A2 enable	enable(1)
b1	0	0		not use
b2	0	0		not use
b3	0	0		not use
b4	1	1	NICAM enable	enable(1)
b5	0	0		not use
b6	0	0		not use
b7	0	0		not use
option3	3A	28		
b0	0	0	SASO enable	SASO enable(1)
b1	1	0	Fine tuning	Enable(1)
b2	0	0	Search speed	Slow(1) Fast(0)
b3	1	1	Tuner	MACO tuner(1), Others (0)
b4	1	0	HYPER	UHF only (0) UHF/VHF (1)
b5	1	1	IF I2C	I2C controlled Tuner IF module (1)
b6	0	0	NICAM C/I bit	enable(1)
b7	0	0	Blue Back	BLUE BACK on/off selection in menu(0)
option4	D9	75		
b0	1	1	Aspect AUTO	enable(1)
b1	0	0	S1/S2 enable	enable(1)
b2	0	1	ID-1	enable(1)
b3	1	0	User aspect Just	enable(1)
b4	1	1	User aspect 14:9	enable(1)
b5	0	1	ALBC 14:9	14:9 enable, Zoom3 disable at set wide(1)/ Zoom1, Zoom3 enable at set wide (0)
b6	1	1	TEXT	enable(1)
b7	1	0	TEXT TOP	TOP enable (1)
option5	03	03		
b0	1	1	CH Blanking	Blanking enable (1)
b1	1	1	AV Blanking	Blanking enable (1)
b2	0	0	Noise mute	Noise mute enable(0)
b3	0	0	sub picture	without sub-picture(0), with sub-picture(1)
b4	0	0	2tuner	2tuner(1) 1tuner(0)
b5	0	0	AV Input	3station(1) / 2station without front RCA (0)
b6	0	0	Panel (LCD)	Samsung Panel(1)/SHARP Panel(0)
b7	0	0	Large size (LCD)	32(1)/26(0) for LCD
option6	20	30		
b0	0	0	SD module	with SD module(1)
b1	0	0	[illegible]	enable(1)
b2	0	0	[illegible]	enable(1)
b3	0	0	[illegible]	enable(1)
b4	0	1	ID [illegible]	enable(1)
b5	1	1	HDMI	enable(1)
b6	0	0	Ext. HV input	without HV input(0) / with HV input(1)
b7	0	0	PC	enable(1)



	PA80H	PHS06		
option8	78	8C	Euro option	
b0	0	[illegible]	AC at country	AC enable(1), only Netherlands(0)
b1	0	[illegible]	AC auto MP	AC auto multi package enable (1)
b2	0	[illegible]	AC offset	AC offset for VCR prog. enable(1)
b3	1	[illegible]	Power up EC-Mode	Power on EC enable (1)
b4	1	[illegible]	AVLink	IC Link off selectable in menu (1)
b5	1	[illegible]	Volume correction	AV volume correction enable (1)
b6	1	[illegible]	MPX/NICAM display	Display NICAM (0), Display MPX (1)
b7	0	[illegible]	Albo Reset Off	enable(1)
option9	00	0C		
b0	0	[illegible]	CH Plan	ASIA / M.E / HK/UK / CHINA(1)
b1	0	[illegible]		NZ/INDNES(1)
b2	0	[illegible]		AUSTRALIA(1)
b3	0	[illegible]		E.EUROPE(1)
b4	0	[illegible]		SPECIAL(1)
b5	0	[illegible]		AMERICA(1)
b6	0	[illegible]		CATV(1)
b7	0	[illegible]		JAPAN(1)
option10	80	0C		
b0	0	[illegible]	NICAM priority	ASIA/M.E(1)
b1	0	[illegible]		HK/UK(1)
b2	0	[illegible]		CHINA(1)
b3	0	[illegible]		NZ/INDN(1)
b4	0	[illegible]		AUSTRA(1)
b5	0	[illegible]		E.EURO(1)
b6	0	[illegible]		SPECIAL(1)
b7	1	[illegible]	HDMI AVI Aspect	enable(1)
option11	40	40	**Additional**	
b0	0	[illegible]	Remocon Type	Delux(1) / Leader(0)
b1	0	[illegible]	Environment AI (PDP)	enable, with viewing mode auto (1) / disable, without viewing mode auto(0)
b2	0	[illegible]	WSS14:9 off	WSS 14:9 off (1)
b3	0	[illegible]	Child lock	Child Lock on Tuning Menu set(1)
b4	0	[illegible]		
b5	0	[illegible]	Contrast AI	enable(1)
b6	1	[illegible]	Service H-POS	enable(1)
b7	0	[illegible]	Service V-POS	enable(1)
option12	00	8C	**Additional**	
b0	0	[illegible]	Last memory of aspect	each source(1) / ALL source(0)
b1	0	[illegible]	Reserved	
b2	0	[illegible]	TEXT Ch Refresh	refresh enable(1) / disenable(0)
b3	0	[illegible]	STILL	1: Disable / 0:Enable
b4	0	[illegible]	LATIN	Latin:SAP/Fixed SIF 4.5M Hz/PAL-M,N/NC/Black level/Language
b5	0	[illegible]	SRS	enable(1)
b6	0	[illegible]	HDMI Quad TV	enable(0)
b7	0	[illegible]	HDMI LC function	enable(1)
option13	[illegible]	[illegible]	**Additional**	
b0	0	[illegible]	DVD AUTO	enable(1)
b1	1	[illegible]	HDMI port	enabling(0) 2 port s model(1) : [illegible] (only for TV MCU port setting)
b2	0	[illegible]	HDMI format error OSD	display(0)/not display(1)
b3	0	[illegible]	CEC control	enable(0)
b4	0	[illegible]	Aspect 4:3 FULL	enable(0)
b5	1	[illegible]	FTZ	enable(1)
b6	0	[illegible]		
b7	0	[illegible]		

10. Adjustment Procedure

10.1. Driver Set-up

10.1.1. Item / Preparation

1. **Input a white signal to plasma video input.**
2. **Set the picture controls as follows.**
   Picture menu: Vivid
   Picture: +30
   Aspect: Full

Caution

1. **First perform Vsus adjustment.**
2. **Confirmation of Vscn voltage should be performed after confirmation of Vad adjustment.**

When Vad=-90V, Voltage of Vscn is 35V ±4V.

10.1.2. Adjustments

Adjust driver section voltages referring the panel data on the panel data label.

Name	Test Point	Voltage	Volume	Remarks
Vsus	TPVSUS (SS)	Vsus ± 2V	R628 (P)	*
Ve	TPVE (SS)	Ve ± 2V	VR6000 (SS)	*
Vset	TPVSET (SC)	232V ± 7V	Fixed	
Vad	TPVAD (SC)	-90V ± 1V	VR6600 (SC)	
Vscn	TPVSCN (SC)	Vad+125V ± 4V	Fixed	
Vda	TPVDA (SS)	70V ± 1V	Fixed	
Vdat	P12-1, 5 (P)	70.2V ± 0.1V	R665 (P)	
PFC	C446 (+) (-)	396V ± 0.5V	R443 (P)	
Vlow	C555 (+) (-)	73.0V ± 0.1V	R661 (P)	Vda load current : 0.4A
Csus	TPVSUS / (SS)	165V ± 0.5V	R671 (P)	Vsus load current : 1.25A

***See the Panel label.**

10.2. Initialization Pulse Adjust

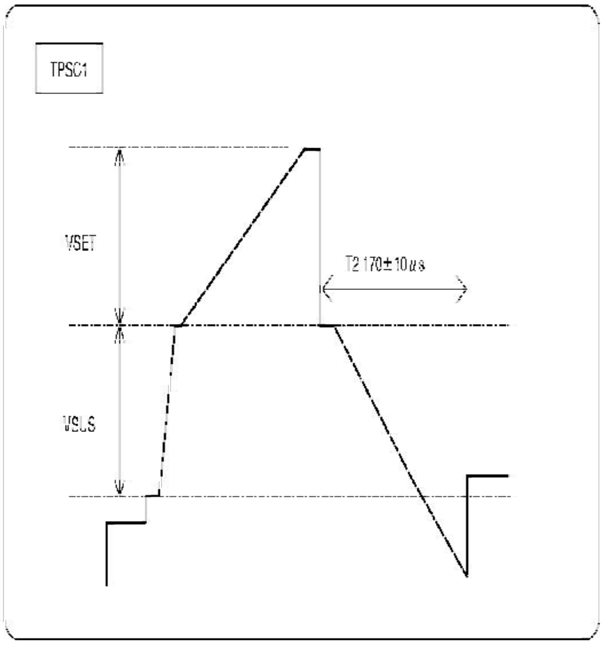
1. Input the White signal to plasma video input.

2. Set the picture controls as follows.

Picture menu : Vivid
Picture : +25
Aspect : Full

3. Connect Oscilloscope to TPSC1 (T2) and adjust VR6602 for 170+10 Sec.

	Test point	Volume	Level
T2	TPSC1 (SC)	VR6602 (SC)	170 ± 10 μ Sec



10.3. P.C.B. (Printed Circuit Board) exchange

10.3.1. Caution

1. To remove P.C.B. , wait 1 minute after power was off for discharge from electrolysis capacitors.

10.3.2. Quick adjustment after P.C.B. exchange

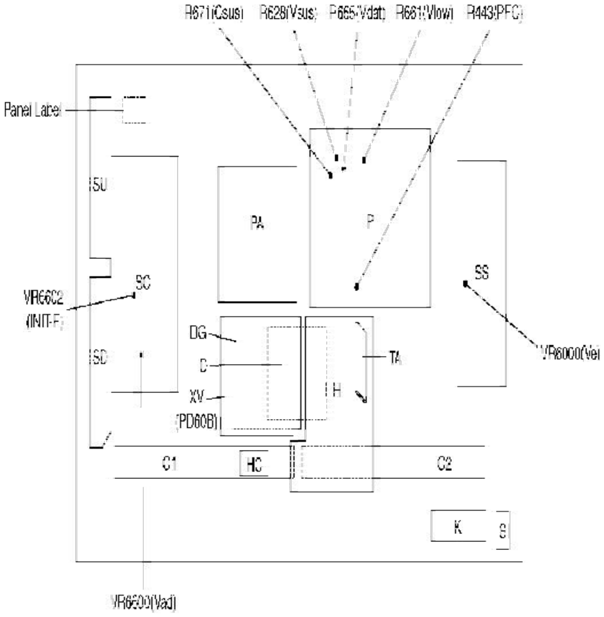
P.C.B.	Name	Test Point	Voltage	Volume	Remarks
P Board	Vsus	TPVSUS (SS)	Vsus ± 2V	R628 (P)	*
	Vdat	P12-1, 5 (P)	70.2V ± 0.1V	R665 (P)	
	PFC	C446 (+) (-) (P)	396V ± 0.5V	R443 (P)	
	Vlow	C555 (+) (-) (P)	73.0V ± 0.1V	R661 (P)	Vda load current : 0.4A
	Csus	TPVSUS (SS)	165V ± 0.5V	R671 (P)	Vsus load current : 1.25A
SC Board	Vad	TPVAD (SC)	-90V ± 1V	VR6600 (SC)	
SS Board	Ve	TPVE (SS)	Ve ± 2V	VR6000 (SS)	*
D, DG Board	White blance, Pedestal and Sub brightness for NTSC, PAL, HD, PC and 625i signals				

***See the Panel label.**

Caution:

Absolutely do not reduce Vsus below Ve not to damage the P.C.B.

10.4. Adjustment Volume Location


R671(Csus)
R628(Vsus)
R665(Vdat)
R661(Vlow)
R443(PFC)
Panel Label
SU
PA
P
SS
SC
VR6602
(INIT-F)
DG
D
XV
(PD60B)
SD
TA
H
VR6000(Ve)
C1
HC
C2
K
S
VR6600(Vad)

10.5. Test Point Location

TPVSUS
TP15V
C446
C555

11. Adjustment

11.1. PAL panel white balance adjustment

Instrument Name	Connection	Remarks
-W/B pattern -Color analyzer (Minolta CA-100 or equivalent)	RF input Panel surface	User setting: Normal

Procedure	Remarks
-Asing time is longer than 15min. -Make sure the front panel to be used on the final set is fitted. -Make sure a color signal is not being shown before adjustment. -Put the color analyzer where there is little colour variation. Complete the adjustment within 10 minutes after the turn on electricity. Turn on the power supply again when it is not possible to complete it by aging etc. 1. Display the white balance pattern. 2. Check that the color balance is “cool”. 3. Enter the <Service-Menu1> mode. 4. Select “G-CUTOFF” item, using the color-key “Red” or “Green”, and set to “128”, using the color-key “Yellow” or “Blue”. Also, “B-CUTOFF” and “R-CUTOFF” set to “128”. 5. Set “G-DRIVE” at “224”. 6. Touch the signal receiver of color analyzer to the highlight window’s center, and adjust B drive and R drive so x, y become the “Color balance Cool” in the below table. 7. Set “ALL-DRIVE” to “252”. 8. Set colorbalance to “Normal”. 9. Fix G cutoff , B cutoff and R cutoff at “128”. 10. Fix G drive at “224”. 11. Adjust B drive and R drive so the highlight window’s x, y become the “Color balance “Normal” in the below table. 12. Set “ALL-DRIVE” to “252”. 13. Set color balance to “Warm”. 14. Set G cutoff, B cutoff and R cutoff to “128”. 15. Set G drive to “224”. 16. Adjust B drive and R drive so the highlight window’s x, y become the “Color balance Warm” shown in the below table. 17. Set “ALL-DRIVE” to “252”.	Picture menu : Dynamic ASPECT : 16:9 -Highlight section Signal amplitude 75%

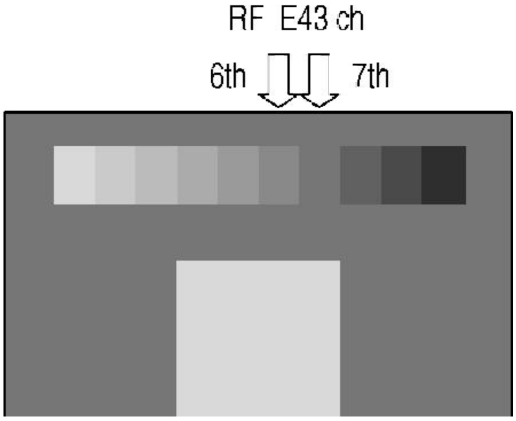
11.2. HD white balance adjustment

Instrument Name	Connection	Remarks
-1080i W/B Pattern -Color analyzer(Minolta CA-100 or equivalent)	-RF input -Panel surface	User setting: Normal

Procedure	Remarks
-Asing time is longer than 15min. -Make sure the front panel to be used on the final set is fitted. -Make sure a color signal is not being shown before adjustment. -Put the color analyzer where there is little colour variation. **Complete the adjustment within 10 minutes after the turn on electricity. Turn on the power supply again when it is not possible to complete it by aging etc.** 1. Display the white balance pattern. 2. Check that the color balance is “cool”. 3. Enter the <Service-Menu1> mode. 4. Select “G-CUTOFF” item, using the color-key “Red” or “Green”, and set to “128”, using the color-key “Yellow” or “Blue”. Also, “B-CUTOFF” and “R-CUTOFF” set to “128”. 5. Set “G-DRIVE” at “224”. 6. Touch the signal receiver of color analyzer to the highlight window’s center, and adjust B drive and R drive so x, y become the “Color balance Cool” in the below table. 7. Set “ALL-DRIVE” to “252”. 8. Set colorbalance to “Normal”. 9. Fix G cutoff , B cutoff and R cutoff at “128”. 10. Fix G drive at “224”. 11. Adjust B drive and R drive so the highlight window’s x, y become the “Color balance “Normal” in the below table. 12. Set “ALL-DRIVE” to “252”. 13. Set color balance to “Warm”. 14. Set G cutoff, B cutoff and R cutoff to “128”. 15. Set G drive to “224”. 16. Adjust B drive and R drive so the highlight window’s x, y become the “Color balance Warm” shown in the below table. 17. Set “ALL-DRIVE” to “252”.	Picture menu: Dynamic ASPECT:16:9 -Highlight section Signal amplitude 75% * The Color balance COOL differs from Japanese model values.

11.3. Sub bright adjustment

Instrument Name	Connection	Remarks
1. PAL signal generator (or RF)	Connect to the input terminal	User setting: Normal

Procedure	Remarks
-Color balance adjustment is finished for each signal. -Do adjustments in a dark room. -Complete the adjustment within 10 minutes after the turn on electricity. Turn on the power supply again when it is not possible to complete it by aging etc. 1. Display the pattern for adjusting subbright from video input. 2. Use "Sub-Bright" in the <Sevice-Menu1> mode to adjust so the 6th section shows up and the 7th fades away. **Data** **Sub-Bright total 12bit data addresses** **LSB 8bit A0-016c bit7-0** **MSB 4bit A0-016d bit3-0**  	Picture menu: Dynamic Color balance: Normal ASPECT: 16:9 * If using RF ch.E04 or E43

11.4. ABL adjustment

Instrument Name	Connection	Remarks
1. HD signal emitter (or Leader : 1080i/No.9 signal) 2. Wattmeter	COMPONENT input terminal Connect the AC power of the set to the wattmeter.	

Procedure	Remarks
-Make sure the set is aged for 30 minutes or more before adjustment. (Do not switch off during or after aging.) -Voltage 230V 50Hz (variation within 1%) -Volume at minimum and screen size at “16:9” Component input, dynamic, standard 1. Connect the set's AC power to the wattmeter. 2. Input the signal (top half: color bar, Bottom half :Horizontal 10steps bar). 3. Select the “PWRCTL” item in the Service1. 4. Adjust PWRCTL so the set's power consumption is TH-37PA60E 227 (+5/-10)W TH-37PD60B 235 (+5/-10)W TH-42PA60E 289 (+5/-10)W TH-42PD60B 297 (+5/-10)W **Remarks** 1. The initial data are Data address: A2-0102 Default data: 0×00 2. The power and data are in reverse relationship. Data is displayed by 2’C. (Lower the data to raise the power.) -Raising direction (↑):0 → 255, 254, 253..... -Lowering direction (↓):0 → 1, 2, 3..... 3. There is a possibility that the adjustment value can do two places, adjust it in that case, that the value of PWRCTL is large.	

11.5. Sub-Contrast adjustment

<table>
<tr><th>Name of measuring instrument</th><th>Connection</th><th>Remarks</th></tr>
<tr><td>RF generator
Base Band generator</td><td></td><td></td></tr>
<tr><th colspan="2">Preparation (AV)</th><th>Remarks</th></tr>
<tr><td colspan="2">1. Receive AV1 (PAL 100% Full White or Split Colour bar shown as below) .

2. Goes into service mode, chose Sub-Contrast, and it checks that data value is ***.
(It checks that an initial value is a default)</td><td></td></tr>
<tr><th colspan="2">Adjustment of AV system</th><th>Remarks</th></tr>
<tr><td colspan="2">1. The colour key yellow button of remote control is pushed.
2. The OSD character of sub-contrast becomes red.
(Inside under automatic adjustment)
3. The OSD character of sub-contrast returns to white.
4. End.</td><td></td></tr>
<tr><th colspan="2">Preparation (RF)</th><th>Remarks</th></tr>
<tr><td colspan="2">1. Receive a RF E-21 ch (PAL 100% Full White or Split Colour bar shown as below.)

2. Goes into service mode, chose Sub-Contrast, and it checks that data value is ***.
(It checks that an initial value is a default)</td><td></td></tr>
<tr><th colspan="2">Adjustment of RF system</th><th>Remarks</th></tr>
<tr><td colspan="2">1. The colour key yellow button of remote control is pushed.
2. The OSD character of sub-contrast becomes red.
(Inside under automatic adjustment)
3. The OSD character of sub-contrast returns to white.
4. End.</td><td></td></tr>
<tr><th colspan="2">Preparation (HD)</th><th>Remarks</th></tr>
<tr><td colspan="2">1. Receive Component
(1080i/ 60Hz or 1080i/ 50Hz, 100% Full White or Split colour bar as shown below.)

2. Goes into service mode, chose Sub-Contrast, and it checks that data value is ***.
(It checks that an initial value is a default)</td><td></td></tr>
<tr><th colspan="2">Adjustment of HD system</th><th>Remarks</th></tr>
<tr><td colspan="2">1. The colour key yellow button of remote control is pushed.
2. The OSD character of sub-contrast becomes red.
(Inside under automatic adjustment)
3. The OSD character of sub-contrast returns to white.
4. End.</td><td></td></tr>
</table>

12. Hotel mode

1. Purpose

Restrict a function for hotels.

2. Access command

- **Enter to the Service 2 Mode.**
- **Press Information button on remote control and entry to the EAROM EDITOR Mode.**
- **Press the RED/GREEN button to step up/down through the**

address.

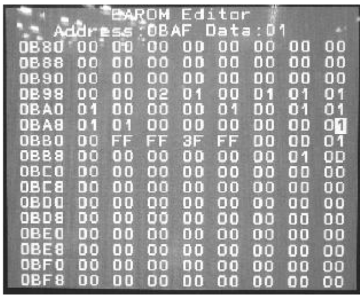
- Press the YELLOW/BLUE button to step left/right through the address.

- Press the PROGRAMME UP/DOWN button to step up/down through the page.

- Press the VOLUME UP/DOWN button to change the function values.

- Set the data of EEPROM(ADDRESS 0BAF) to 01.

- Press the OK button to memorize the data.



```
        EAROM Editor
    Address:0BAF Data:01
0B80 00 00 00 00 00 00 00 00
0B88 00 00 00 00 00 00 00 00
0B90 00 00 00 00 00 00 00 00
0B98 00 00 02 01 00 01 01 01
0BA0 01 00 00 00 01 00 01 01
0BA8 01 01 00 00 00 00 00 01
0BB0 00 FF FF 3F FF 00 00 01
0BB8 00 00 00 00 00 00 01 00
0BC0 00 00 00 00 00 00 00 00
0BC8 00 00 00 00 00 00 00 00
0BD0 00 00 00 00 00 00 00 00
0BD8 00 00 00 00 00 00 00 00
0BE0 00 00 00 00 00 00 00 00
0BE8 00 00 00 00 00 00 00 00
0BF0 00 00 00 00 00 00 00 00
0BF8 00 00 00 00 00 00 00 00
```

Push the Power switch(button) off/on the set(the remote control) to turn the set off/on.

It can be made Hotel mode.

3. Exit command

- First, set the data of EEPROM(ADDRESS 0BAF) to 00.
Next, Push the Power switch(button) off/on the set(the remote control) to turn the set off/on.
Then, it is no longer hotel mode.

4. Access command to the Hotel mode setup menu

- Prerequisite : It is conditions that the data of EEPROM(ADDRESS 0BAF) is 01.
In order to display the Hotel mode setup menu, please enter the following command (within 2 second).
[[TV]:down + [REMOTE]:TV/AV(3 times)]
Then, the Hotel mode setup menu is displayed.

5. Explain the Hotel mode setup menu

item	Function
Initial INPUT	Select input signal modes. Set the input, when each time power is switched on. Selection : Off/TV/AV1/AV2/AV2S/AV3/AV3S/ Component HDMI -Off: give priority to a last memory. However, Euro model is compulsorily set to TV. -AVnS/AVnC: only Euro model selectable
Initial VOL level	Adjust the volume when each time power is switched on. Selection/Range : Off/0 to 63 -Off: give priority to a last memory
Maximum VOL level	Adjust maximum volume. Range : 0 to 63
Initial POS	Select programme number. Selection : Off/0 to 99 -Off: give priority to a last memory
Button lock	Select local key conditions. Selection : Off/SETUP/MENU/All -Off: altogether valid -SETUP: only F-key is invalid (Tuning guide(menu) can not be selected.) -MENU: only F-key is invalid (only Volume/Mute can be selected.) -All: altogether invalid.
Remote lock	Select remote control key conditions. Selection : Off/SETUP/MENU -Off: altogether valid -SETUP: only Setup menu is invalid -MENU: Picture/Sound/Setup menu are invalid

6. To exit the Hotel mode

Disconnect AC power cord from wall outlet

13. Conduct Views

13.1. P-Board (37inch)

13.2. P-Board (42inch)

13.3. PA-Board

13.4. H-Board

13.5. TA-Board

13.6. HC, K and S-Board

13.7. DG-Board

13.8. XV-Board (PD60B)

13.9. D-Board

13.10. C1-Board (37inch)

13.11. C1-Board (42inch)

13.12. C2-Board (37inch)

13.13. C2-Board (42inch)

13.14. SC-Board

13.15. SU-Board (37inch)

13.16. SU-Board (42inch)

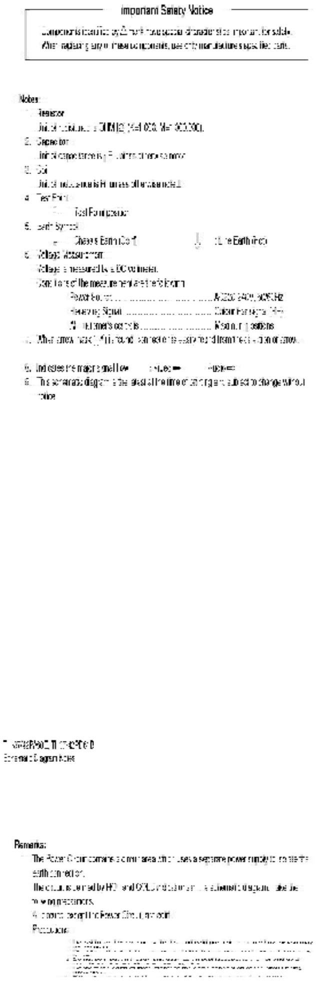
13.17. SD-Board (37inch)

13.18. SD-Board (42inch)

13.19. SS-Board

14. Schematic and Block Diagram

14.1. Schematic Diagram Note



Important Safety Notice

Components identified by ⚠ mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.

Notes:

1. Resistor
   Unit of resistance is OHM (Ω) (K=1 000, M=1 000 000).
2. Capacitor
   Unit of capacitance is μF unless otherwise noted.
3. Coil
   Unit of inductance is H unless otherwise noted.
4. Test Point
   Test Point position
5. Earth Symbol
   Chassis Earth (Cold) Line Earth (Hot)
6. Voltage Measurement
   Voltage is measured by a DC voltmeter.
   Conditions of the measurement are the following:
   Power Source .... AC 220-240V, 50/60Hz
   Receiving Signal .... Colour Bar signal (RF)
   All customer's controls .... Maximum positions
7. When arrow mark is found, connection is easily found from the direction of arrow.
8. Indicates the major signal flow: Video ➡ Audio ⇨
9. This schematic diagram is the latest at the time of printing and subject to change without notice.

Schematic Diagram Notes

Remarks:

The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection.
The circuit is defined by HOT and COLD indications in the schematic diagram. Take the following precautions.
All circuits except the Power Circuit are cold.
Precautions:

14.2. Main Block Diagram

14.3. P-Board Block Diagram (37inch)

14.4. P-Board (1 of 6) Schematic Diagram (37inch)

14.5. P-Board (2 of 6) Schematic Diagram (37inch)

14.6. P-Board (3 of 6) Schematic Diagram (37inch)

14.7. P-Board (4 of 6) Schematic Diagram (37inch)

14.8. P-Board (5 of 6) Schematic Diagram (37inch)

14.9. P-Board (6 of 6) Schematic Diagram (37inch)

14.10. P-Board Block Diagram (42inch)

14.11. P-Board (1 of 6) Schematic Diagram (42inch)

14.12. P-Board (2 of 6) Schematic Diagram (42inch)

14.13. P-Board (3 of 6) Schematic Diagram (42inch)

14.14. P-Board (4 of 6) Schematic Diagram (42inch)

14.15. P-Board (5 of 6) Schematic Diagram (42inch)

14.16. P-Board (6 of 6) Schematic Diagram (42inch)

14.17. PA-Board Block Diagram

14.18. PA-Board (1 of 2) Schematic Diagram

14.19. PA-Board (2 of 2) Schematic Diagram

14.20. H and TA-Board Block Diagram

14.21. HC and K-Board Block Diagram

14.22. H-Board (1 of 3) Schematic Diagram

14.23. H-Board (2 of 3) Schematic Diagram

14.24. H-Board (3 of 3) Schematic Diagram

14.25. HC, K and TA-Board Schematic Diagram

14.26. DG-Board (1 of 3) Block Diagram

14.27. DG-Board (2 of 3) Block Diagram

14.28. DG-Board (3 of 3) Block Diagram

14.29. DG-Board (1 of 8) Schematic Diagram

14.30. DG-Board (2 of 8) Schematic Diagram

14.31. DG-Board (3 of 8) Schematic Diagram

14.32. DG-Board (4 of 8) Schematic Diagram

14.33. DG-Board (5 of 8) Schematic Diagram

14.34. DG-Board (6 of 8) Schematic Diagram

14.35. DG-Board (7 of 8) Schematic Diagram

14.36. DG-Board (8 of 8) Schematic Diagram

14.37. XV-Board Block Diagram (PD60B)

14.38. XV-Board (1 of 5) Schematic Diagram (PD60B)

14.39. XV-Board (2 of 5) Schematic Diagram (PD60B)

14.40. XV-Board (3 of 5) Schematic Diagram (PD60B)

14.41. XV-Board (4 of 5) Schematic Diagram (PD60B)

14.42. XV-Board (5 of 5) Schematic Diagram (PD60B)

14.43. D-Board Block Diagram

14.44. D-Board (1 of 6) Schematic Diagram

14.45. D-Board (2 of 6) Schematic Diagram

14.46. D-Board (3 of 6) Schematic Diagram

14.47. D-Board (4 of 6) Schematic Diagram

14.48. D-Board (5 of 6) Schematic Diagram

14.49. D-Board (6 of 6) Schematic Diagram

14.50. C1 and C2 Block Diagram

14.51. C1-Board (1 of 2) Schematic Diagram (37inch)

14.52. C1-Board (2 of 2) Schematic Diagram (37inch)

14.53. C1-Board (1 of 2) Schematic Diagram (42inch)

14.54. C1-Board (2 of 2) Schematic Diagram (42inch)

14.55. C2-Board (1 of 2) Schematic Diagram (37inch)

14.56. C2-Board (2 of 2) Schematic Diagram (37inch)

14.57. C2-Board (1 of 2) Schematic Diagram (42inch)

14.58. C2-Board (2 of 2) Schematic Diagram (42inch)

14.59. SC, SU and SD-Board Block Diagram

14.60. SC-Board (1 of 2) Schematic Diagram

14.61. SC-Board (2 of 2) Schematic Diagram

14.62. SU-Board Schematic Diagram (37inch)

14.63. SU-Board Schematic Diagram (42inch)

14.64. SD-Board Schematic Diagram (37inch)

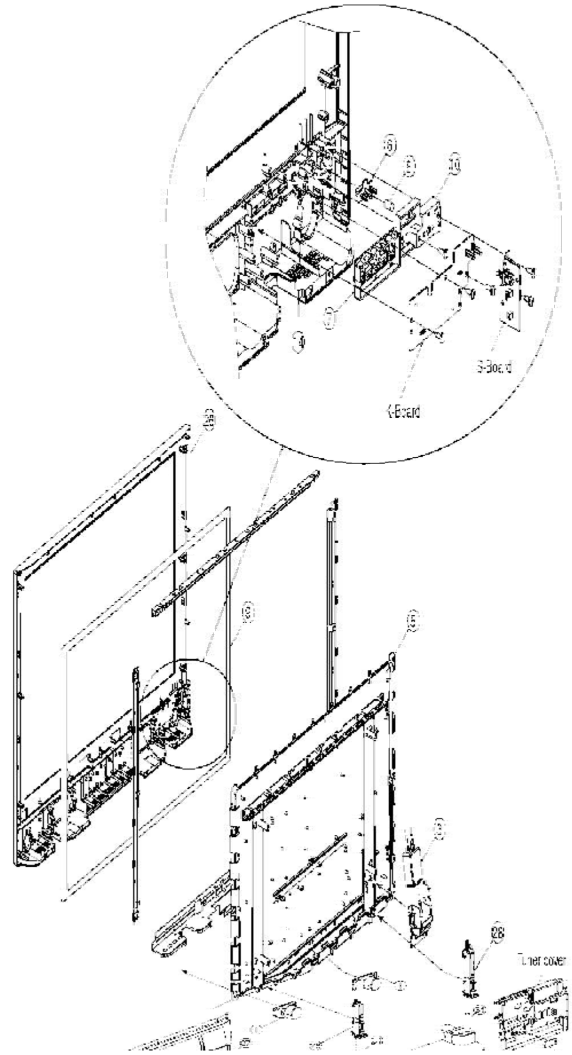
14.65. SD-Board Schematic Diagram (42inch)

14.66. SS and S-Board Block Diagram

14.67. SS and S-Board Schematic Diagram

15. Parts Location & Mechanical Replacement Parts List

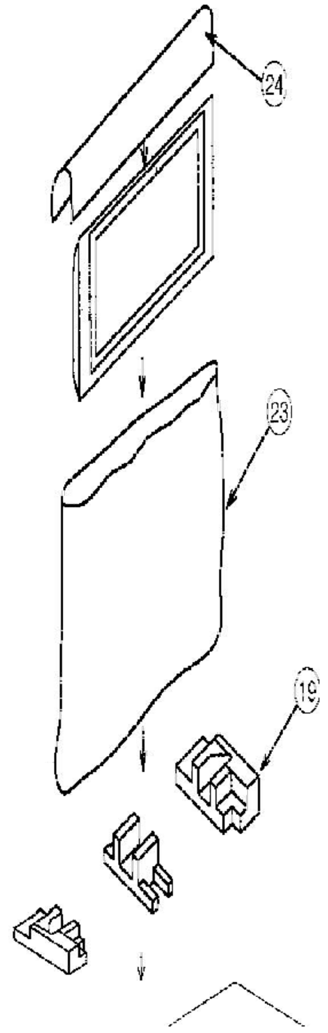
15.1. Parts Location

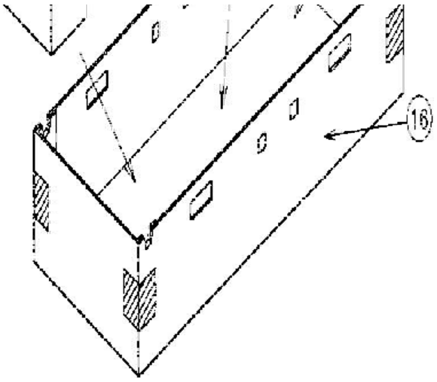


S-Board
K-Board
28
Tuner cover

15.2. Packing Exploded Views (1)

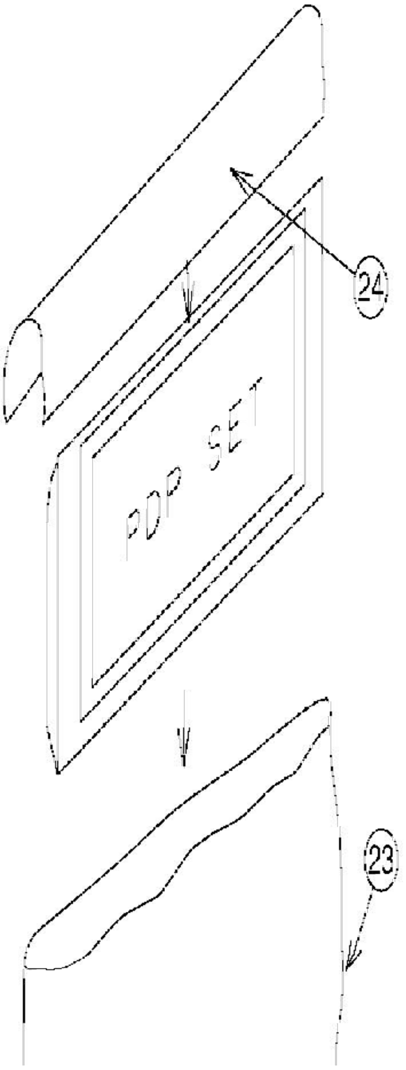
- TH-37/42PA60E

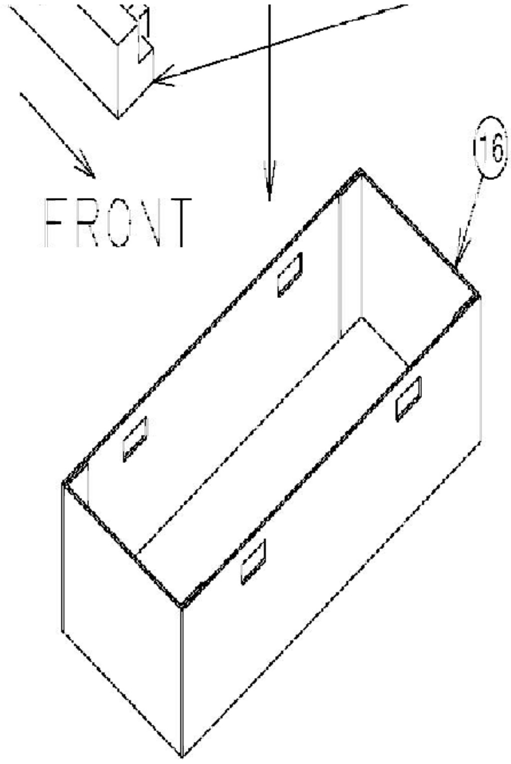




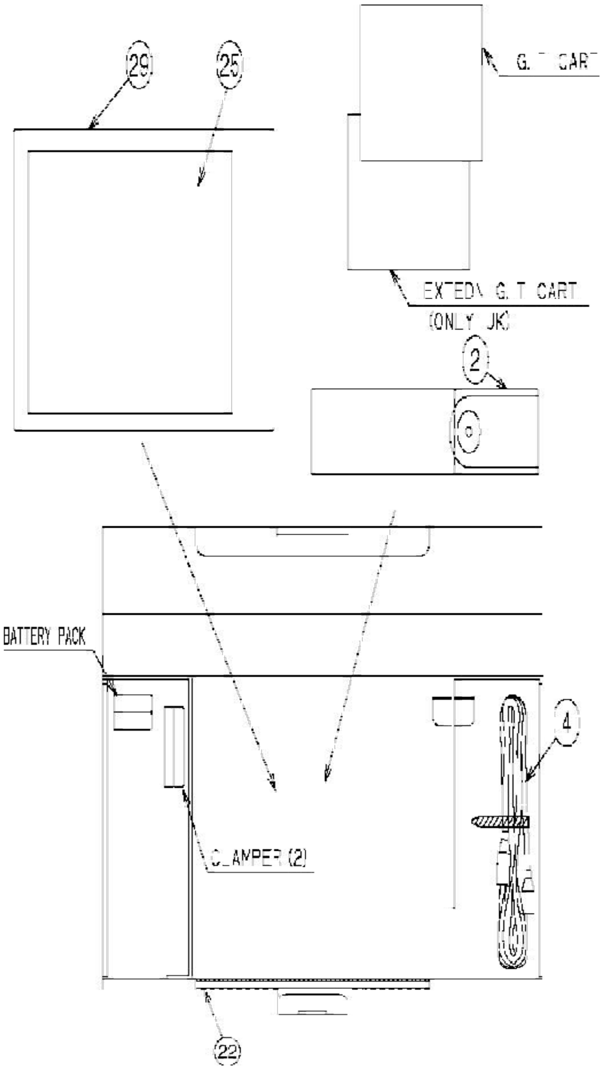
15.3. Packing Exploded Views (2)

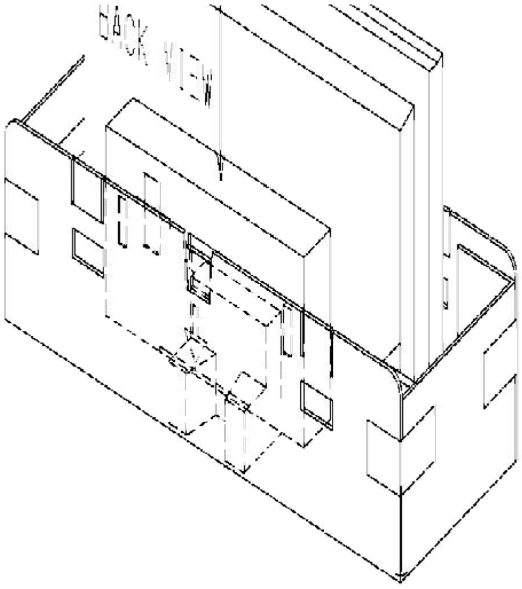
- TH-37/42PD60B


24
PDP SET
23

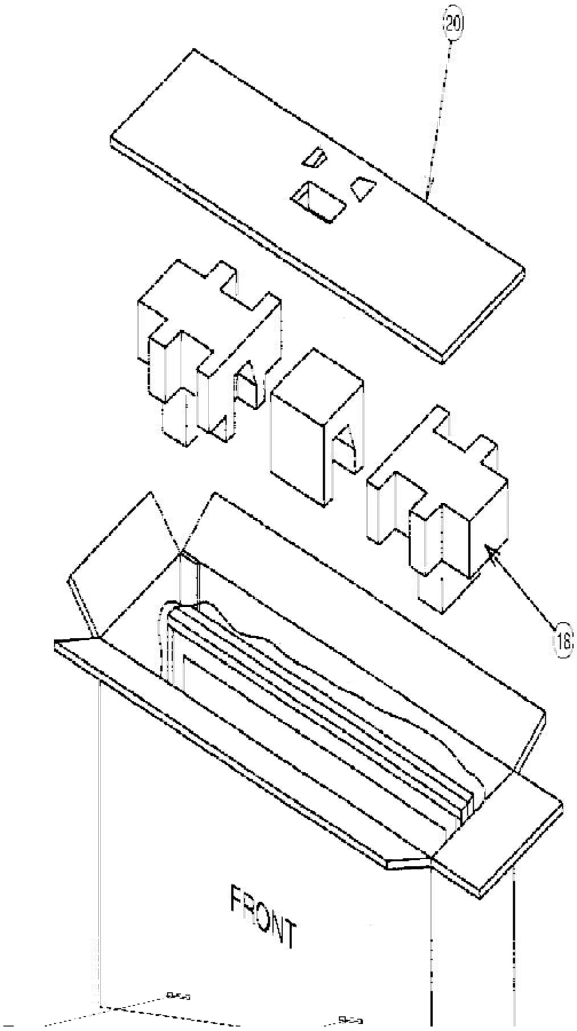


15.4. Packing Exploded Views (3)


29
25
G.T CART
EXTEDN G.T CART
(ONLY JK)
2
BATTERY PACK
4
CLAMPER (2)
22



15.5. Packing Exploded Views (4)



15.6. Mechanical Replacement Parts List (PDP TV)

Note:

All parts except parts mentioned [PAVCCZ] in the Remarks column are supplied by PAVC-CSG.
Parts mentioned [PAVCCZ] are supplied by PAVCCZ.

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
1	EAS12S08B	SPEAKER	2	
2	EUR7651080	REMOTE CONTROL	1	TH-37/42PD60B PAVCCZ
2	EUR7651090	REMOTE CONTROL	1	TH-37/42PA60E PAVCCZ
	J2ZZ00000054	RF-CABLE	1	TH-37/42PD60B PAVCCZ
3	K2AHYH000005	AC INLET	1	
4	K2CN3DH00006	AC CORD (CONTINENTAL)	1	TH-37/42PA60E
4	K2CT3DH00018	AC CORD (UK)	1	TH-37/42PD60B
5	MD37S09A1J	PLASMA DISPLAY PANEL	1	37inch
5	MD42S09A1J	PLASMA DISPLAY PANEL	1	42inch
	TBMA149	PANASONIC BADGE	1	
6	TBXA46302	POWER BUTTON	1	
7	TBXA46402	CONTROL BUTTON	1	
8	TES4G204	POWER BUTTON SPRING	1	
	THEL035N	SCREW	71	
	THEL0429	SCREW	26	
	THTA0379	SCREW	2	
9	TKGA5273	FRONT GLASS	1	37inch
9	TKGA5272	FRONT GLASS	1	42inch
10	TKKC5208	PANEL LIGHT	1	TH-37/42PA60E
10	TKKC5212	PANEL LIGHT	1	TH-37/42PD60B PAVCCZ
11	TKKL5231	M8 SPACER CAP	4	
12	TKKL5269	COVER	1	
13	TKPA94301	INLET COVER	1	
14	TKR0E0104-1	L/BOTTOM COVER	1	PAVCCZ
15	TKRA34802	REAR COVER HANDLE	2	37inch
15	TKRA46201	REAR COVER HANDLE	2	42inch
	TMK0E719	SPEAKER SPONGE	2	37inch PAVCCZ
	TMK0E718	SPEAKER SPONGE	2	42inch PAVCCZ
	TMKG560	SPONGE (TOP/BOTTOM)	2	TH-37PA60E
	TMKG654	SPONGE (TOP/BOTTOM)	2	TH-37PD60B
	TMKG556	SPONGE (TOP/BOTTOM)	2	TH-42PA60E
	TMKG652	SPONGE (TOP/BOTTOM)	2	TH-42PD60B
	TMKG561	SPONGE (LEFT/RIGHT)	2	TH-37PA60E
	TMKG655	SPONGE (LEFT/RIGHT)	2	TH-37PD60B
	TMKG557	SPONGE (LEFT/RIGHT)	2	TH-42PA60E
	TMKG653	SPONGE (LEFT/RIGHT)	2	TH-42PD60B
	TMM0E301	M8 SPACER	4	TH-37/42PA60E PAVCCZ
	TMM0E302	M8 SPACER	4	TH-37/42PD60B PAVCCZ
	TMM17499	CLAMPER	1	
	TMM25401	CLAMPER	7	37inch
	TMM25401	CLAMPER	11	42inch
	TMM7464-2	CLAMPER	2	
	TMM7468-1	CLAMPER	1	
	TMME047	CLAMPER	3	TH-37/42PA60E
	TMME047	CLAMPER	4	TH-37/42PD60B
	TMME061	CLAMPER	2	
	TMME190	CLAMPER	2	
	TMME226	CLAMPER	1	
	TMME258	CLAMPER	2	
	TMME260	CLAMPER	4	
16	TPC0E66701	CARTON BOX BOTTOM	1	TH-37PA60E PAVCCZ
16	TPC0E62801	CARTON BOX BOTTOM	1	TH-37PD60B PAVCCZ
16	TPC0E66501	CARTON BOX BOTTOM	1	TH-42PA60E PAVCCZ
16	TPC0E62601	CARTON BOX BOTTOM	1	TH-42PD60B PAVCCZ

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
17	TPC0E66801	CARTON BOX TOP	1	TH-37PA60E PAVCCZ
17	TPC0E62902	CARTON BOX TOP	1	TH-37PD60B PAVCCZ
17	TPC0E66601	CARTON BOX TOP	1	TH-42PA60E PAVCCZ
17	TPC0E62702	CARTON BOX TOP	1	TH-42PD60B PAVCCZ
18	TPD0E0115	CUSHION TOP	1	TH-37/42PA60E PAVCCZ
18	TPD0E0088	CUSHION TOP	1	TH-37/42PD60B PAVCCZ
19	TPD0E0116	CUSHION BOTTOM	1	TH-37/42PA60E PAVCCZ
19	TPD0E0089-1	CUSHION BOTTOM	1	TH-37/42PD60B PAVCCZ
20	TPD0E9040	TOP PAD	1	TH-37PA60E PAVCCZ
20	TPD0E9013	TOP PAD	1	TH-37PD60B PAVCCZ
20	TPD0E9039	TOP PAD	1	TH-42PA60E PAVCCZ
20	TPD0E9012	TOP PAD	1	TH-42PD60B PAVCCZ
21	TPD169487	JOINT	4	
22	TPDF1197	ACCESSORIES BOX	1	
23	TPE0E4010	PROTECT COVER	1	PAVCCZ
24	TPE0E4013	TOP PROTECT SHEET	1	PAVCCZ
25	TQB0E0256	INSTRUCTION BOOK (ENGLISH)	1	TH-37/42PD60B PAVCCZ
25	TQB0E0257A	INSTRUCTION BOOK (GERMAN)	1	TH-37/42PA60E PAVCCZ
25	TQB0E0257B	INSTRUCTION BOOK (DUTCH)	1	TH-37/42PA60E PAVCCZ
25	TQB0E0257C	INSTRUCTION BOOK (ITALIAN)	1	TH-37/42PA60E PAVCCZ
25	TQB0E0257D	INSTRUCTION BOOK (FRENCH)	1	TH-37/42PA60E PAVCCZ
25	TQB0E0257E	INSTRUCTION BOOK (SPANISH)	1	TH-37/42PA60E PAVCCZ
25	TQB0E0257F	INSTRUCTION BOOK (SWEDISH)	1	TH-37/42PA60E PAVCCZ
25	TQB0E0257K	INSTRUCTION BOOK (DANISH)	1	TH-37/42PA60E PAVCCZ
25	TQB0E0257M	INSTRUCTION BOOK (BULGARIA)	1	TH-37/42PA60E PAVCCZ
25	TQB0E0257N	INSTRUCTION BOOK (ROMANIAN)	1	TH-37/42PA60E PAVCCZ
25	TQB0E0257P	INSTRUCTION BOOK (POLISH)	1	TH-37/42PA60E PAVCCZ
25	TQB0E0257Q	INSTRUCTION BOOK (HUNGARIA)	1	TH-37/42PA60E PAVCCZ
25	TQB0E0257R	INSTRUCTION BOOK (CZECH)	1	TH-37/42PA60E PAVCCZ
25	TQB0E0257U	INSTRUCTION BOOK (ENGLISH)	1	TH-37/42PA60E PAVCCZ
	TSXL513	CABLE (D31-C11/D32-C21)	2	
	TSXL519	CABLE (C12-C22)	1	
	TSXL520	CABLE (DG1-H1)	1	
	TSXL521	CABLE (DG15-HC15)	1	
	TSXL522	CABLE (DG20-PA20)	1	
	TSXL523	CABLE (DG3-D3)	1	
26	TTY0E0113	ESCUTCHEON ASS'Y	1	TH-37PA60E PAVCCZ
26	TTY0E0111	ESCUTCHEON ASS'Y	1	TH-37PD60B PAVCCZ
26	TTY0E0108	ESCUTCHEON ASS'Y	1	TH-42PA60E PAVCCZ
26	TTY0E0106	ESCUTCHEON ASS'Y	1	TH-42PD60B PAVCCZ
27	TXFKU01BMTE	REAR COVER	1	TH-37PA60E PAVCCZ
27	TXFKU01BMTB	REAR COVER	1	TH-37PD60B PAVCCZ
27	TXFKU01BLTE	REAR COVER	1	TH-42PA60E PAVCCZ
27	TXFKU01BLTB	REAR COVER	1	TH-42PD60B PAVCCZ
28	TXFMZ01YFSUB	STAND BLOCK ASS'Y	2	
	TXJ/SPBJTU	SPEAKER LEAD (RELAY-SP)	2	
	XTB4+12GFJ	SCREW	37	37inch
	XTB4+12GFJ	SCREW	51	42inch

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	XTB4+15AFJK	SCREW	16	
	XTV3+10JFJK	SCREW	6	
	XTW3+10TFJ	SCREW	4	
	XTW4+25DFJ	SCREW	12	PAVCCZ
	XYC4+FJ35FJK	SCREW	4	
	XYN3+F6FJ	SCREW	1	
	XYN3+F8FJ	SCREW	25	TH-37/42PA60E
	XYN3+F8FJ	SCREW	31	TH-37/42PD60B
	XYN3+J10FJ	SCREW	1	
	XYN3+J12FJ	SCREW	25	
	XYN3+J8FJ	SCREW ROHS	2	
	XYN4+E8FJ	SCREW	1	
	XYN5+C15FJ	SCREW	8	
29	XZBT6530	POLY BAG	1	

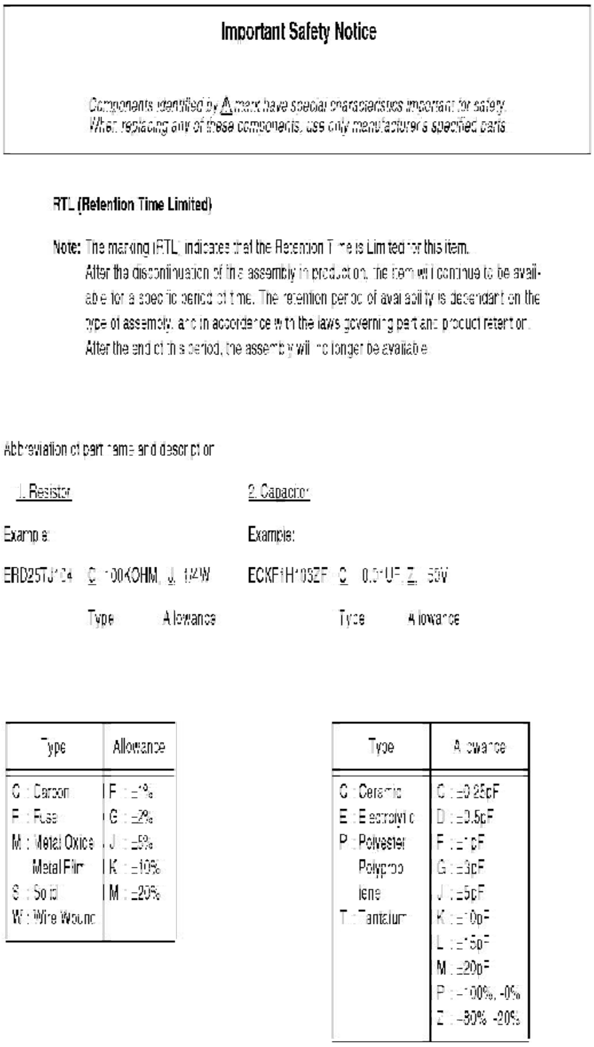
15.7. Mechanical Replacement Parts List (Stand)

Note:
All parts except parts mentioned [PAVCCZ] in the Remarks column are supplied by PAVC-CSG.
Parts mentioned [PAVCCZ] are supplied by PAVCCZ.

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	TBL63413-1	RUBBER	8	TH-37/42PA60E
31	TBLA3341	STAND POLE	2	TH-37/42PA60E
32	TPD0E9042	CARTON HOLDER	1	TH-37PA60E PAVCCZ
32	TPD0E9041	CARTON HOLDER	1	TH-42PA60E PAVCCZ
33	TPE0E4016	PEDESTAL BAG (STAND)	1	TH-37/42PA60E PAVCCZ
34	TXFBL01BLTE	STAND ASS'Y	1	TH-37/42PA60E PAVCCZ
	TXFMM01BLTE	STOPPER	1	TH-37/42PA60E PAVCCZ
	XYN5+F20FJ	SCREW@M5X20 (STAND)	4	TH-37/42PA60E
	XYN5+F30FJK	SCREW (STAND)	4	TH-37/42PA60E
	XZB12X25D03	POLY BAG (SCREW)	2	TH-37/42PA60E
	XZB7.5X9D05	POLY BAG (SCREW)	1	TH-37/42PA60E

16. Electrical Replacement Parts List

16.1. Replacement Parts List Notes



Important Safety Notice

Components identified by ⚠ mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.

RTL (Retention Time Limited)

Note: The marking (RTL) indicates that the Retention Time is Limited for this item.
After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependant on the type of assembly, and in accordance with the laws governing part and product retention.
After the end of this period, the assembly will no longer be available.

Abbreviation of part name and description

1. Resistor

Example:

ERD25TJ104 C 100KOHM, J, 1/4W

Type Allowance

Type	Allowance
C : Carbon	F : ±1%
F : Fuse	G : ±2%
M : Metal Oxide Metal Film	J : ±5% K : ±10%
S : Solid	M : ±20%
W : Wire Wound	

2. Capacitor

Example:

ECKF1H103ZF C 0.01UF, Z, 50V

Type Allowance

Type	Allowance
C : Ceramic	C : ±0.25pF
E : Electrolytic	D : ±0.5pF
P : Polyester Polypropylene	F : ±1pF G : ±2pF J : ±5pF
T : Tantalum	K : ±10pF L : ±15pF M : ±20pF P : +100%, -0% Z : +80%, -20%

16.2. Electrical Replacement Parts List (37inch)

Note:
All parts except parts mentioned [PAVCCZ] in the Remarks column are supplied by PAVC-CSG.
Parts mentioned [PAVCCZ] are supplied by PAVCCZ.

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
F401.402	K5D802BNA005	TIME LAG FUSE HIGH	2	
C001	ECA0JM102	E 1000UF, 6.3V	1	
C002,03	ECA1HM100	E 10UF, 50V	2	
C007	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C009	ECJ1VF1H104Z	C 0.1UF, Z, 50V	1	
C11	K1MN55BA0076	55P CONNECTOR	1	
C12	K1MN20BA0231	20P CONNECTOR	1	
C013	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C016	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C018,19	ECJ1VC1H330J	C 33PF, J, 50V	2	
C020	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C021	ECJ1XC1H101J	C 100PF, J, 50V	1	
C21	K1MN55BA0076	55P CONNECTOR	1	
C22	K1MN20BA0231	20P CONNECTOR	1	
C23	K1KA12BA0107	12P CONNECTOR	1	
C1100	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1102	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1103	ECJ0EB1E271K	C 270PF, K, 25V	1	
C1105	ECJ0EB1E271K	C 270PF, K, 25V	1	
C1106	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C1107	EEEHB0G101R	C 100PF, J, 4V	1	
C1109-11	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C1112	ECJ0EB1E271K	C 270PF, K, 25V	1	
C1114	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1116	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1118-23	ECJ0EB1A104K	C 0.1UF, K, 10V	6	
C1125	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1127-32	ECJ0EB1A104K	C 0.1UF, K, 10V	6	
C1133,34	ECJ1XC1H150J	C 15PF, J, 50V	2	
C1135-42	ECJ0EB1A104K	C 0.1UF, K, 10V	8	
C1144-50	ECJ0EB1A104K	C 0.1UF, K, 10V	7	
C1152	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1153	EEEHB0G101R	C 100PF, J, 4V	1	
C1154	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1155	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C1156,57	ECJ1XC1H220J	C 22PF, J, 50V	2	
C1158	F1J0J1060004	C 0.010UF, K, 16V	1	
C1159	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1161	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C1167,68	ECJ1VB1A105K	C 0.01UF, Z, 50V	2	
C1170,71	ECJ0EB1A104K	C 0.1UF, K, 10V	2	TH-37PD60B
C1172	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1177	ECJ1VB1A334K	C 0.1UF, K, 16V	1	
C1178	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C1180,81	ECJ1VB1H221K	C 220UF, K, 50V	2	
C1186	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1190	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C1209	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C1212	ECJ1XC1H151J	C 150PF, J, 50V	1	
C1219,20	EEEHP1C100R	C 10PF, J, 16V	2	
C1221	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C1222,23	F1J0J1060004	C 0.010UF, K, 16V	2	
C1226	F1J0J1060004	C 0.010UF, K, 16V	1	
C1227	ECJ0EB1H101K	C 100PF, K, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C1228-34	EEEHB1C470P	C 47PF, J, 16V	7	
C1294	ECJ1XC1H330J	C 33PF, J, 50V	1	
C2005-18	ECJ1XC1H561J	C 560PF, J, 50V	14	
C2019	ECA1CM221	E 220UF, 16V	1	
C2020	ECA1HM220	E 22UF, 50V	1	
C2021,22	ECJ1XC1H561J	C 560PF, J, 50V	2	
C2103,04	ECJ3YB1A106M	C 10UF, M,6.3V	2	
C2111	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2116	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2118,19	ECEA1CN470U	E 47UF, 16V	2	
C2122,23	ECJ3YB1A106M	C 10UF, M,6.3V	2	
C2127	ECA1CMH101	E 100UF, 16V	1	
C2128	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2129,30	F1J1A1050002	C 1UF, Z, 50V	2	
C2131	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2132	EEEHB1C100R	C 10PF, J, 16V	1	
C2133,34	ECJ1XC1H470J	C 47PF, J, 50V	2	
C2139-43	ECJ1VB1H103K	C 0.001UF, K, 50V	5	
C2144,45	ECJ3YB1A106M	C 10UF, M,6.3V	2	
C2146	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2147	ECA1HM220	E 22UF, 50V	1	
C2148-50	ECJ2FB1C105K	C 1UF, K, 16V	3	
C2152	ECJ2FB1C105K	C 1UF, K, 16V	1	
C2153	ECJ2FF1C475Z	C 0.047UF, Z, 16V	1	
C2154	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2156	ECJ3YB1A106M	C 10UF, M,6.3V	1	
C2158	ECJ3YB1A106M	C 10UF, M,6.3V	1	
C2159,60	ECJ2FB1C105K	C 1UF, K, 16V	2	
C2161	ECA1CMH101	E 100UF, 16V	1	
C2162-69	ECJ2FB1C105K	C 1UF, K, 16V	8	
C2170-72	ECJ1VB1H102K	C 1000PF, K, 50V	3	
C2173	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C2174	ECJ1VB1H102K	C 1000PF, K, 50V	1	
C2175-77	ECJ1VB1H103K	C 0.001UF, K, 50V	3	
C2178,79	EEEHB1C100R	C 10PF, J, 16V	2	
C2181	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2183	EEEHB1H3R3R	C 3.3PF, J, 50V	1	
C2184,85	ECJ2VF1C104Z	C 0.1UF, Z, 16V	2	
C2189,90	ECJ2FB1C105K	C 1UF, K, 16V	2	
C2191	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2192	EEEHB1C100R	C 10PF, J, 16V	1	
C2193,94	ECJ2FB1C105K	C 1UF, K, 16V	2	
C2195	ECJ1XC1H470J	C 47PF, J, 50V	1	
C2196	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2197	ECJ2FB0J225K	C 2.2UF, Z, 16V	1	
C2198	EEEHB0J101P	C 100PF, J, 6.3V	1	
C2199	ECJ1VC1H560J	C 56PF, J, 50V	1	
C2200	ECJ1XC1H470J	C 47PF, J, 50V	1	
C2201	ECJ1XC1H030C	C 3PF, C, 50V	1	
C2202	ECJ1XC1H050C	C 5PF, C, 50V	1	
C2203	ECJ1VC1H100C	C 10PF, C, 50V	1	
C2204	ECJ1XC1H220J	C 22PF, J, 50V	1	
C2211	ECJ1VB1C104K	C 0.1UF, K, 16V	1	
C2213	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
C2218-21	ECJ3YB1A106M	C 10UF, M,6.3V	4	
C2222	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2223	ECJ1XC1H390J	C 39PF, J, 50V	1	

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Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C2225	ECJ2FB1C105K	C 1UF, K, 16V	1	
C2226	ECJ1VB1H102K	C 1000PF, K, 50V	1	
C2237-40	ECJ1VB1H103K	C 0.001UF, K, 50V	4	
C2301	ECA1EHG471	E 470UF, 25V	1	
C2303	ECA1CMH101	E 100UF, 16V	1	
C2307	ECA1CMH101	E 100UF, 16V	1	
C2314	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C2317	ECJ2FB1A105K	C 1UF, K, 10V	1	
C2320	ECJ2FB1A105K	C 1UF, K, 10V	1	
C2321	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C2322	ECJ2FB1A105K	C 1UF, K, 10V	1	
C2323,24	ECJ2FB1E224K	C 22UF, K, 25V	2	
C2325,26	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C2327	F1J1H474A757	C 0.47UF, 50V	1	
C2328-31	ECJ2FB1E105K	C 1UF, K, 25V	4	
C2332,33	ECA1EHG471	E 470UF, 25V	2	
C2334,35	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C2336	F1J1H474A757	C 0.47UF, 50V	1	
C2337,38	ECJ2FB1E224K	C 22UF, K, 25V	2	
C2341	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C2342	ECJ2FB1E105K	C 1UF, K, 25V	1	
C2372	ECA1HHG100	E 10UF, 50V	1	
C2373	ECJ1VF1H104Z	C 0.1UF, Z, 50V	1	
C2374	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C2380	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C2382	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C2385	ECJ2FB1A105K	C 1UF, K, 10V	1	
C2387	ECJ2FB1A105K	C 1UF, K, 10V	1	
C2393,94	ECJ1VB1C105K	C 0.01UF, K, 16V	2	
C2401	ECJ2FB1A105K	C 1UF, K, 10V	1	
C2402	ECJ2FB0J106M	C 10UF, Z,6.3V	1	
C2403	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C2417	ECJ2FB0J106M	C 10UF, Z,6.3V	1	
C2430	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C2512	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C2515	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C2517	ECJ1VB1H103K	C 0.001UF, K, 50V	1	TH-37PD60B
C3001-03	ECJ1VB1H102K	C 1000PF, K, 50V	3	
C3021	F1J1A1050002	C 1UF, Z, 50V	1	
C3022,23	ECJ1VB1H103K	C 0.001UF, K, 50V	2	
C3024-26	F1J1A1050002	C 1UF, Z, 50V	3	
C3033	F1J1A1050002	C 1UF, Z, 50V	1	
C3035,36	F1J1A1050002	C 1UF, Z, 50V	2	
C3038	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3039	F1J1A1050002	C 1UF, Z, 50V	1	
C3040	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3041	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C3043	F1J1A1050002	C 1UF, Z, 50V	1	
C3045,46	ECJ1VB1H103K	C 0.001UF, K, 50V	2	
C3047	F1J1A1050002	C 1UF, Z, 50V	1	
C3048	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C3049-56	F1J1A1050002	C 1UF, Z, 50V	8	
C3058	ECA1EM471	E 470UF, 25V	1	
C3059	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3062-64	ECJ2VF1C104Z	C 0.1UF, Z, 16V	3	
C3065	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C3066	F1J1A1050002	C 1UF, Z, 50V	1	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3067	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C3068	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3070	ECA1EM471	E 470UF, 25V	1	
C3071	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3072	ECA1EM471	E 470UF, 25V	1	
C3073	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3074	ECA1EM471	E 470UF, 25V	1	
C3075	ECA1CM221	E 220UF, 16V	1	
C3076	ECA1EM471	E 470UF, 25V	1	
C3207	ECA1AM102	E 1000UF, 10V	1	
C3214	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3216	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3226-28	ECJ2VF1C104Z	C 0.1UF, Z, 16V	3	
C3230	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3233	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3241	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3262	ECJ1VB1H472K	C 4700PF, K, 50V	1	
C3265	ECJ1VB1H102K	C 1000PF, K, 50V	1	
C3268	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C3270-73	ECJ1XC1H680J	C 68PF, J, 50V	4	
C4003-08	F1J0J1060004	C 0.010UF, K, 16V	6	
C4014,15	F1J0J1060004	C 0.010UF, K, 16V	2	
C4023	F1J0J1060004	C 0.010UF, K, 16V	1	
C4026	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4027	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4028	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4112	F1J0J1060004	C 0.010UF, K, 16V	1	
C4117	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4158	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4159	F1H1C104A065	C 0.1UF, K, 16V	1	
C4160	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4165	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4168	ECJ1XC1H680J	C 68PF, J, 50V	1	
C4171	ECJ1XC1H471J	C 470PF, J, 50V	1	
C4172,73	F1H1C104A065	C 0.1UF, K, 16V	2	
C4174	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4175	F1H1C104A065	C 0.1UF, K, 16V	1	
C4176	ECJ1VB0J225K	C 2.2UF, K, 6.3V	1	
C4177	ECJ2FB1C684K	C 68UF, Z, 16V	1	
C4178	ECJ1XB1C393K	C 0.039UF, K, 16V	1	
C4180	F1H1C104A065	C 0.1UF, K, 16V	1	
C4185,86	ECJ3XB0J106M	C 10UF, M,6.3V	2	
C4188	F1J0J1060004	C 0.010UF, K, 16V	1	
C4189-91	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C4196	F1H1C104A065	C 0.1UF, K, 16V	1	
C4199	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4200	EEEHB1C470P	C 47PF, J, 16V	1	
C4201	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4204	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4205,06	F1H1C104A065	C 0.1UF, K, 16V	2	
C4208,09	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4211	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4215	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4216	EEEHB1C470P	C 47PF, J, 16V	1	
C4217	F1H1C104A065	C 0.1UF, K, 16V	1	
C4218	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4219	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C4224	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4227	ECJ1VB1C823K	C 0.082UF, K, 16V	1	
C4228	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4235	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4244	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4245	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4248	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4253	EEEHB1C470P	C 47PF, J, 16V	1	
C4256	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4262-64	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C4266	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4269	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4272	EEEHB1C470P	C 47PF, J, 16V	1	
C4273	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4282	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4284	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4288	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4290	EEEHB0J330R	C 33PF, J, 6.3V	1	
C4292	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4296	F1J0J1060004	C 0.010UF, K, 16V	1	
C4297	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4298-06	ECJ1VB1A105K	C 0.01UF, Z, 50V	9	
C4307-09	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C4310	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4311	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4312	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4313,14	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4315	F1J0J1060004	C 0.010UF, K, 16V	1	
C4316-18	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C4320-22	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C4325	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4327	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4329,30	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4331	F1J0J1060004	C 0.010UF, K, 16V	1	
C4332	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4333-38	ECJ0EB1A104K	C 0.1UF, K, 10V	6	
C4339	ECJ1VB0J225K	C 2.2UF, K, 6.3V	1	
C4340	ECJ1XC1H471J	C 470PF, J, 50V	1	
C4341	EEEHB1C470P	C 47PF, J, 16V	1	
C4342	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4343	EEEHB1C100R	C 10PF, J, 16V	1	
C4344,45	F1J0J1060004	C 0.010UF, K, 16V	2	
C4346	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4347	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4348	EEEHB1C470P	C 47PF, J, 16V	1	
C4349	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4350,51	ECJ1XC1H181J	C 180PF, J, 50V	2	
C4352,53	ECJ1XC1H330J	C 33PF, J, 50V	2	
C4354	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4360	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4362	F1J0J1060004	C 0.010UF, K, 16V	1	
C4363,64	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4365	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4366	EEEHB1C470P	C 47PF, J, 16V	1	
C4367	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4371	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4372	ECJ0EB1A104K	C 0.1UF, K, 10V	1	

C4072	ECJ0EB1A104K	C 0.1uF, K, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C4373	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4374	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4375,76	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4377	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4379	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4380	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4381,82	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4383	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4384	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4385	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4386	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4387	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4388	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4389	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4390	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4391	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4392	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4393,94	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4395	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4396	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4397,98	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4399,00	ECJ1VB1A105K	C 0.01UF, Z, 50V	2	
C4401	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4402,03	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4404	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4405	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4406	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4407,08	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4409	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4410	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4411,12	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4413,14	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4415	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4417	EEEHB1C470P	C 47PF, J, 16V	1	
C4418,19	ECJ1VB1A105K	C 0.01UF, Z, 50V	2	
C4420,21	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4422-24	ECJ0EB1H102K	C 1000PF, K, 50V	3	
C4425,26	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4427	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4428	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4429,30	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4434	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4435	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4436-39	ECJ0EB1H102K	C 1000PF, K, 50V	4	
C4440	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4441,42	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4447	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4448	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4451	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4452	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4453,54	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4455	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4456	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4457,58	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4459	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4460	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4462	ECJ0EB1A104K	C 0.1UF, K, 10V	1	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C4464	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4465	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4466	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4467	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4470	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4474	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4475,76	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4477	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4478	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4479-81	ECJ0EB1H102K	C 1000PF, K, 50V	3	
C4482	ECJ1XC1H180J	C 18PF, J, 50V	1	
C4483	ECJ1XC1H150J	C 15PF, J, 50V	1	
C4493	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4494	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4496	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4497	EEEHB0G101R	C 100PF, J, 4V	1	
C4498	ECJ1XC1H471J	C 470PF, J, 50V	1	
C4499	EEFCD0G560ER	56UF,	1	
C4501	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4502	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4503	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4504	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4505	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4506	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4507	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4508	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4509-11	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C4512	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4513	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4514	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4515,16	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4517	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4518	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4519	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4520	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4521	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4522	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4523	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4524	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4525	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4526	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4527	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4528	EEEHB1C470P	C 47PF, J, 16V	1	
C4529	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4530,31	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4532,33	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4534	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4535	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4536	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4537	EEEHB0G101R	C 100PF, J, 4V	1	
C4538	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4539	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4540	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4541	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4543	F1H1C104A065	C 0.1UF, K, 16V	1	
C4544	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C5604	ECA1HHG100	E 10UF, 50V	1	

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Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C5605	EEUFC1E471	E 470UF, 25V	1	
C5606	ECA1CM471	E 470UF, 16V	1	
C5609	ECA1HM220	E 22UF, 50V	1	
C5611	F2A1H331A257	E 330UF, 50V	1	
C5612	ECA1CM471	E 470UF, 16V	1	
C5613	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C5616	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C5617	ECA1CM471	E 470UF, 16V	1	
C5618,19	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C5622	ECA1CM471	E 470UF, 16V	1	
C5623	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C5626	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C5633	ECA1EM221	E 220UF, 25V	1	
C5637	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C5641-44	ECJ1XF1C104Z	C 0.1UF, Z, 16V	4	
C5645	ECA1CHG470	E 47UF, 16V	1	
C5646	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C5647	ECA1CHG470	E 47UF, 16V	1	
C5648	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C5670	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C5672	ECA1HM220	E 22UF, 50V	1	
C5673	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C5685	ECA1HHG100	E 10UF, 50V	1	
C5686	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6001	F1L2J562A022	C 5600UF, K,6.3V	1	
C6011-13	F2A2D221A022	E 220UF, 200V	3	
C6021	F1L2J562A022	C 5600UF, K,6.3V	1	
C6031	F0C2E405A176	E 0.040UF, 250V	1	
C6041-44	TCUY1C105ZFN	C 1UF, 16V	4	
C6111,12	F2A2D151A070	E 150UF, 200V	2	
C6132	F1L1E4750004	C 4.7UF, 25V	1	
C6134,35	F1L1E4750004	C 4.7UF, 25V	2	
C6152-54	F1L1E4750004	C 4.7UF, 25V	3	
C6156	ECQE2224KF	P 2.2UF, K,250V	1	
C6192	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6194,95	F1L1E4750004	C 4.7UF, 25V	2	
C6201-08	ECQE2105B667	P 1UF, 250V	8	
C6211,12	F1L1E4750004	C 4.7UF, 25V	2	
C6213,14	F2A1E331A089	E 330UF, 25V	2	
C6221	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6241	F2A1E331A089	E 330UF, 25V	1	
C6242	TCUY1C105ZFN	C 1UF, 16V	1	
C6243	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6251	TCUY1C105ZFN	C 1UF, 16V	1	
C6261,62	ECA2CM101	E 100UF, 160V	2	
C6272,73	EEUFC1E221	E 220UF, 25V	2	
C6401,02	F1L2J562A022	C 5600UF, K,6.3V	2	
C6411-13	F2A2D221A022	E 220UF, 200V	3	
C6421,22	F1L2J562A022	C 5600UF, K,6.3V	2	
C6431	F0C2E405A176	E 0.040UF, 250V	1	
C6472	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6480	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6502	F1L1E4750004	C 4.7UF, 25V	1	
C6504,05	F1L1E4750004	C 4.7UF, 25V	2	
C6511-18	ECQE2105B667	P 1UF, 250V	8	
C6522	F1L1E4750004	C 4.7UF, 25V	1	
C6524,25	F1L1E4750004	C 4.7UF, 25V	2	

C3024,25	P121247 00004	C 4.7 uF, 25V	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6526	ECQE2224KF	P 2.2UF, K,250V	1	
C6561	F2A1A1010074	E 100UF, 10V	1	
C6562	TCUY1C105ZFN	C 1UF, 16V	1	
C6563	F2A1A1010074	E 100UF, 10V	1	
C6564	TCUY1C105ZFN	C 1UF, 16V	1	
C6565,66	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C6581	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6582	TCUY1C105ZFN	C 1UF, 16V	1	
C6592	ECA1EM471	E 470UF, 25V	1	
C6593	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C6601,02	F1L1E4750004	C 4.7UF, 25V	2	
C6603	F1K2J102A014	C 1000UF, K,6.3V	1	
C6604	F2A2V470A020	E 47UF, 350V	1	
C6605	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6606	F1K2J102A014	C 1000UF, K,6.3V	1	
C6620	ECJ3XB2J222K	C 2200PF, K,630V	1	
C6641	ECQE2224KF	P 2.2UF, K,250V	1	
C6661,62	F1K2J102A014	C 1000UF, K,6.3V	2	
C6671	F1L1E4750004	C 4.7UF, 25V	1	
C6681,82	F1L1E4750004	C 4.7UF, 25V	2	
C6683	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6691	ECA2CM101	E 100UF, 160V	1	
C6701-08	ECJ2XB1H104K	C 0.1UF, K, 50V	8	
C6721	ECA1HM101	E 100UF, 50V	1	
C6723-25	F1L1E4750004	C 4.7UF, 25V	3	
C6726,27	TCUY1C105ZFN	C 1UF, 16V	2	
C6728	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C6752	TCUY1C105ZFN	C 1UF, 16V	1	
C6753	F1L1E4750004	C 4.7UF, 25V	1	
C6754	ECA1VM470	E 47UF, 35V	1	
C6755	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6771	TCUY1C105ZFN	C 1UF, 16V	1	
C6772,73	F1L1E4750004	C 4.7UF, 25V	2	
C6775	F1L1E4750004	C 4.7UF, 25V	1	
C6776,77	ECJ2XB1H104K	C 0.1UF, K, 50V	2	
C6791	EEUFC1E221	E 220UF, 25V	1	
C6795	ECA1EM471	E 470UF, 25V	1	
C6802	EEUFC1E221	E 220UF, 25V	1	
C6803	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6804	F2A2E100A022	E 10UF, 250V	1	
C6805	TCUY1C105ZFN	C 1UF, 16V	1	
C6806,07	ECA2CM101	E 100UF, 160V	2	
C6811	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6823	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6841	ECA2CM101	E 100UF, 160V	1	
C6845	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6861	TCUY1C105ZFN	C 1UF, 16V	1	
C6862	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6871	TCUY1C105ZFN	C 1UF, 16V	1	
C6872	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6901	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6902	TCUY1C105ZFN	C 1UF, 16V	1	
C6904	TCUY1C105ZFN	C 1UF, 16V	1	
C6906	TCUY1C105ZFN	C 1UF, 16V	1	
C6908	TCUY1C105ZFN	C 1UF, 16V	1	
C6915,16	ECJ2XB1H221K	C 220PF, K, 50V	2	
C6921	ECJ2XB1H221K	C 220PF, K, 50V	1	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6931	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6932	F1L2E105A013	E 0.10UF, 25V	1	
C6934	F1L2E105A013	E 0.10UF, 25V	1	
C6951	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6952	TCUY1C105ZFN	C 1UF, 16V	1	
C6954	TCUY1C105ZFN	C 1UF, 16V	1	
C6956	TCUY1C105ZFN	C 1UF, 16V	1	
C6958	TCUY1C105ZFN	C 1UF, 16V	1	
C6964-66	ECJ2XB1H221K	C 220PF, K, 50V	3	
C6981	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6982	F1L2E105A013	E 0.10UF, 25V	1	
C6985	F1L2E105A013	E 0.10UF, 25V	1	
C7111	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7112	TCUY1C105ZFN	C 1UF, 16V	1	
C7113,14	ECJ3XB2A474K	C 0.47UF, 6.3V	2	
C7115	TCUY1C105ZFN	C 1UF, 16V	1	
C7116	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7117	TCUY1C105ZFN	C 1UF, 16V	1	
C7118	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7120	TCUY1C105ZFN	C 1UF, 16V	1	
C7121	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7126	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7129,30	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C7132	TCUY1C105ZFN	C 1UF, 16V	1	
C7133	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7135	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7136	TCUY1C105ZFN	C 1UF, 16V	1	
C7137	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7139	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7201	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7202	TCUY1C105ZFN	C 1UF, 16V	1	
C7203,04	ECJ3XB2A474K	C 0.47UF, 6.3V	2	
C7205	TCUY1C105ZFN	C 1UF, 16V	1	
C7206	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7207	TCUY1C105ZFN	C 1UF, 16V	1	
C7208	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7210	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7211	TCUY1C105ZFN	C 1UF, 16V	1	
C7212	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7213	TCUY1C105ZFN	C 1UF, 16V	1	
C7214	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7216	TCUY1C105ZFN	C 1UF, 16V	1	
C7217	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7220	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7222	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7224	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7226	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7231	TCUY1C105ZFN	C 1UF, 16V	1	
C7232	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7234	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7235	TCUY1C105ZFN	C 1UF, 16V	1	
C7236	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7239	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C8001	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PD60B
C8002	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PD60B
C8003	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PD60B
C8004	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PD60B

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C8005	EEEHB1C100R	C 10PF, J, 16V	1	TH-37PD60B
C8007	ECJ0EB1H102K	C 1000PF, K, 50V	1	TH-37PD60B
C8015	ECJ1VC1H080C	C 8PF, C, 50V	1	TH-37PD60B
C8019,20	ECJ0EB1C103K	C0.010UF, K, 16V	2	TH-37PD60B
C8021	ECJ0EB1H102K	C 1000PF, K, 50V	1	TH-37PD60B
C8030	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PD60B
C8034,35	ECJ0EF1C104Z	C 0.10UF, Z, 16V	2	TH-37PD60B
C8037	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PD60B
C8039,40	ECJ0EB1C103K	C0.010UF, K, 16V	2	TH-37PD60B
C8041	EEEHB0G101R	C 100PF, J, 4V	1	TH-37PD60B
C8042,43	ECJ1VC1H100C	C 10PF, C, 50V	2	TH-37PD60B
C8046-48	ECJ0EB1C103K	C0.010UF, K, 16V	3	TH-37PD60B
C8051,52	ECJ0EB1C103K	C0.010UF, K, 16V	2	TH-37PD60B
C8055	EEEHB1C470P	C 47PF, J, 16V	1	TH-37PD60B
C8056	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PD60B
C8058-61	ECJ0EB1C103K	C0.010UF, K, 16V	4	TH-37PD60B
C8062	F1G1A1540001	C 0.15UF, K, 10V	1	TH-37PD60B PAVCCZ
C8071	ECJ0EC1H270J	C 270PF, K, 50V	1	TH-37PD60B
C8073	ECJ0EC1H270J	C 270PF, K, 50V	1	TH-37PD60B
C8098	ECGRL0G680ER	C 68PF, J, 4V	1	TH-37PD60B
C8099,00	ECJ0EB1A104K	C 0.1UF, K, 10V	2	TH-37PD60B
C8101,02	ECJ1VB0J105K	C 1UF, K, 6.3V	2	TH-37PD60B
C8103,04	ECJ0EB1A104K	C 0.1UF, K, 10V	2	TH-37PD60B
C8105	EEEHB0G101R	C 100PF, J, 4V	1	TH-37PD60B
C8106,07	ECJ1VB0J105K	C 1UF, K, 6.3V	2	TH-37PD60B
C8108	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PD60B
C8109	EEEHB0G101R	C 100PF, J, 4V	1	TH-37PD60B
C8110	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PD60B
C8121	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PD60B
C8128,29	ECJ0EB1C103K	C0.010UF, K, 16V	2	TH-37PD60B
C8134	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PD60B
C8135	ECJ0EB1A473K	C 0.047UF, K, 10V	1	TH-37PD60B
C8136	ECGRL0G680ER	C 68PF, J, 4V	1	TH-37PD60B
C8138	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PD60B
C8139	ECGRL0G680ER	C 68PF, J, 4V	1	TH-37PD60B
C8140	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PD60B
C8141	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PD60B
C8142	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PD60B
C8143	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PD60B
C8144	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PD60B
C8145	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PD60B
C8146	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PD60B
C8147	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PD60B
C8148	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PD60B
C8149	ECJ1VB0J105K	C 1UF, K, 6.3V	1	TH-37PD60B
C8150	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PD60B
C8151	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PD60B
C8154-56	ECJ0EB1A104K	C 0.1UF, K, 10V	3	TH-37PD60B
C8157	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PD60B
C8160	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PD60B
C8161-64	ECJ0EB1C103K	C0.010UF, K, 16V	4	TH-37PD60B
C8165	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PD60B
C8166	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PD60B
C8167	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PD60B
C8168	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PD60B
C8169	EEEHB0G470R	C 47PF, J, 4V	1	TH-37PD60B
C8170	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-37PD60B

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C8171	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PD60B
C8172	EEEHB0G470R	C 47PF, J, 4V	1	TH-37PD60B
C8173-75	ECJ0EB1C103K	C0.010UF, K, 16V	3	TH-37PD60B
C8176	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-37PD60B
C8182	ECJ0EC1H121J	C 120PF, K, 50V	1	TH-37PD60B
C8186	ECJ0EC1H680J	C 680PF, K, 50V	1	TH-37PD60B
C8189	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-37PD60B
C8193	EEEHB0J101P	C 100PF, J, 6.3V	1	TH-37PD60B
C8202,03	EEEHB1C470P	C 47PF, J, 16V	2	TH-37PD60B
C8204	ECJ3XB1C106M	C 1.0UF, K, 16V	1	TH-37PD60B
C8205,06	ECJ0EB1A104K	C 0.1UF, K, 10V	2	TH-37PD60B
C8207	EEEHB1C470P	C 47PF, J, 16V	1	TH-37PD60B
C8208	ECJ3XB1C106M	C 1.0UF, K, 16V	1	TH-37PD60B
C8210	ECJ0EB1A333K	C 0.033UF, K, 10V	1	TH-37PD60B
C8212	ECJ0EB1C223K	C 0.022UF, K, 16V	1	TH-37PD60B
C8240	ECJ1VB0J105K	C 1UF, K, 6.3V	1	TH-37PD60B
C8268	ECJ1VB0J105K	C 1UF, K, 6.3V	1	TH-37PD60B
C8269	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PD60B
C8303	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PD60B
C8305,06	ECJ0EB1C103K	C0.010UF, K, 16V	2	TH-37PD60B
C8314	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-37PD60B
C8315	ECJ2FF1A475Z	C 4.7UF, Z, 10V	1	TH-37PD60B
C8317,18	ECJ2FF1A475Z	C 4.7UF, Z, 10V	2	TH-37PD60B
C8319	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-37PD60B
C8320-23	ECJ1VB0J105K	C 1UF, K, 6.3V	4	TH-37PD60B
C8327	EEEHB1C470P	C 47PF, J, 16V	1	TH-37PD60B
C8329	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PD60B
C8330,31	ECJ0EC1H181J	C 180PF, K, 50V	2	TH-37PD60B
C8332	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PD60B
C8334,35	ECJ0EC1H330J	C 330PF, K, 50V	2	TH-37PD60B
C8340	ECJ0EB1C682K	C 6800UF, K, 16V	1	TH-37PD60B
C8341	ECJ0EB1C822K	C 8200UF, K, 16V	1	TH-37PD60B
C8342,43	ECGRL0G680ER	C 68PF, J, 4V	2	TH-37PD60B
C8344	ECJ1VB1H332K	C 3300PF, K, 50V	1	TH-37PD60B
C8345	ECJ0EB1C153K	C 0.015UF, K, 16V	1	TH-37PD60B
C8349	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PD60B
C8350,51	ECJ0EF1C104Z	C 0.10UF, Z, 16V	2	TH-37PD60B
C8361	EEEHB1C470P	C 47PF, J, 16V	1	TH-37PD60B
C8372	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PD60B
C8376	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PD60B
C8397	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PD60B
C8401	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PD60B
C8403,04	ECJ0EF1C104Z	C 0.10UF, Z, 16V	2	TH-37PD60B
C8406	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-37PD60B
C8409	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-37PD60B
C8410	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PD60B
C8413,14	ECJ0EF1C104Z	C 0.10UF, Z, 16V	2	TH-37PD60B
C8416,17	ECJ0EF1C104Z	C 0.10UF, Z, 16V	2	TH-37PD60B
C8419	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-37PD60B
C8421	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PD60B
C8423	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PD60B
C8424	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-37PD60B
C8425	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-37PD60B
C8427	F2G1A101A019	E 100UF, 10V	1	TH-37PD60B
C8428	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-37PD60B
C8430-32	ECJ0EF1C104Z	C 0.10UF, Z, 16V	3	TH-37PD60B
C8433,34	ECJ0EB1C103K	C0.010UF, K, 16V	2	TH-37PD60B

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C8467	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PD60B
C8501,02	ECJ0EC1H180J	C 180PF, K, 50V	2	TH-37PD60B
C8504	ECJ1VF1A105Z	C 1UF, Z, 10V	1	TH-37PD60B
C8506	ECJ2VF1C105Z	C 1UF, Z, 16V	1	TH-37PD60B
C8507	ECJ1XC1H102J	C 1000PF, J, 50V	1	TH-37PD60B
C8508	ECJ1XF1C334Z	C 0.33UF, Z, 16V	1	TH-37PD60B
C8509	EEEHB0J101P	C 100PF, J, 6.3V	1	TH-37PD60B
C8870	ECJ1XC1H471J	C 470PF, J, 50V	1	TH-37PD60B
C8872	ECJ2FB0J225K	C 2.2UF, Z, 16V	1	TH-37PD60B
C8910	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-37PD60B
C9028,29	F1J0J1060004	C 0.010UF, K, 16V	2	
C9033,34	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9035,36	F1J0J1060004	C 0.010UF, K, 16V	2	
C9037	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C9039	F1J0J1060004	C 0.010UF, K, 16V	1	
C9040	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9044-53	ECJ1XF1C104Z	C 0.1UF, Z, 16V	10	
C9055	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9057	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9058	F1J0J1060004	C 0.010UF, K, 16V	1	
C9060	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9467,68	ECJ1VF1H103Z	C 0.010UF, Z, 50V	2	
C9469	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9500-06	ECJ1XB1C104K	C 0.1UF, Z, 16V	7	
C9508	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9509	ECJ1VC1H200J	C 20PF, C, 50V	1	
C9510	ECJ1XC1H150J	C 15PF, J, 50V	1	
C9511	F1J0J1060004	C 0.010UF, K, 16V	1	
C9512	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9514,15	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C9516-25	ECJ1XB1C104K	C 0.1UF, Z, 16V	10	
C9526	F1J0J1060004	C 0.010UF, K, 16V	1	
C9527-30	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C9531	F1J0J1060004	C 0.010UF, K, 16V	1	
C9800	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9801	ECJ1VB1E272K	C 2700PF, K, 25V	1	
C9802	ECJ1XC1H470J	C 47PF, J, 50V	1	
C9803	ECJ1VB1H472K	C 4700PF, K, 50V	1	
C9804	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9805	ECJ1VB0J475K	C 4.7UF, K, 6.3V	1	
C9806	ECGRL0G680ER	C 68PF, J, 4V	1	
C9807,08	ECJ3YB1E106M	C 10 UF, K, 25V	2	
C9809	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9815,16	ECGRL0G680ER	C 68PF, J, 4V	2	
C9817,18	ECJ3YB1E106M	C 10 UF, K, 25V	2	
C9822	F1J0J1060004	C 0.010UF, K, 16V	1	
C9823,24	ECJ3YB1E106M	C 10 UF, K, 25V	2	
C9825	ECJ1XC1H101K	C 100PF, K, 50V	1	
C9826	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9827	F1J0J1060004	C 0.010UF, K, 16V	1	
C9830-32	ECJ3XB1C106M	C 1.0UF, K, 16V	3	
C9833	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C9837	ECJ3XB1C106M	C 1.0UF, K, 16V	1	
C9838	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9839	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C9840	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9841,42	ECJ2VF1C105Z	C 1UF, Z, 16V	2	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9843	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9844	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C9845,46	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9847,48	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C9880,81	ECJ1XB1H102K	C 1000UF, Z, 50V	2	
C9882	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9883	ECJ1VB1H822K	C 8200PF, K, 50V	1	
C9884	ECJ1VC1H100C	C 10PF, C, 50V	1	
C9885	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C9886	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9887	ECJ1VB0J475K	C 4.7UF, K, 6.3V	1	
C9891	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9896	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9897	ECJ1VB1H822K	C 8200PF, K, 50V	1	
C9898	ECJ1VC1H100C	C 10PF, C, 50V	1	
C9899	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C9900-51	ECJ1XB1C104K	C 0.1UF, Z, 16V	52	
C9952-54	EEFCD0G560ER	56UF,	3	
C9955-59	ECJ1XB1C104K	C 0.1UF, Z, 16V	5	
C9960-64	ECJ3XB0J106M	C 10UF, M,6.3V	5	
C9965	EEFCD0G560ER	56UF,	1	
C9966	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9967	ECJ1VB0J475K	C 4.7UF, K, 6.3V	1	
C9971	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
CB1-B7	K1MN68BA0002	68P CONNECTOR	7	
D3	K1KY40B00003	40P CONNECTOR	1	
D5	K1KB31BA0064	31P CONNECTOR	1	
D6	K1KA21A00011	21P CONNECTOR	1	
D20	K1KA20BA0296	20P CONNECTOR	1	
D25	K1KA20B00155	20P CONNECTOR	1	
D31,32	K1MN55BA0094	55P CONNECTOR	2	
D1106,07	MA729	DIODE	2	
D1119	MA704A	DIODE	1	
D1121	MA729	DIODE	1	
D2011-14	MA111	DIODE	4	
D2119	B0BC01100001	ZENER DIODE	1	
D2300,01	MA111	DIODE	2	
D2303,04	MA111	DIODE	2	
D2309	MA111	DIODE	1	
D2512	MA8056-M	ZENER DIODE	1	
D2520	B3AAA0000770	LED	1	
D2524	MA8056-M	ZENER DIODE	1	
D2525	B3ACA0000272	DIODE	1	TH-37PD60B PAVCCZ
D2526	MA8056-M	ZENER DIODE	1	TH-37PD60B
D2529	MA8056-M	ZENER DIODE	1	
D3002-12	MA8140M	ZENER DIODE	11	
D3015,16	MA8140M	ZENER DIODE	2	
D3021-23	MA111	DIODE	3	
D3024	B0BC01100001	ZENER DIODE	1	
D3025	MA8140M	ZENER DIODE	1	
D3027,28	MA8140M	ZENER DIODE	2	
D3030-32	MA8140M	ZENER DIODE	3	
D3038-40	MA8140M	ZENER DIODE	3	
D3044	MA111	DIODE	1	
D3100	MA8140M	ZENER DIODE	1	

[illegible]	[illegible]	ZENER DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D4020	EZJZ0V80008B	VARISTOR	1	
D4022	EZJZ0V80008B	VARISTOR	1	
D4024	EZJZ0V80008B	VARISTOR	1	
D4026	EZJZ0V80008B	VARISTOR	1	
D4028	EZJZ0V80008B	VARISTOR	1	
D4031,32	EZJZ0V80008B	VARISTOR	2	
D4035,36	EZJZ0V80008B	VARISTOR	2	
D4038	EZJZ0V80008B	VARISTOR	1	
D4041	EZJZ0V80008B	VARISTOR	1	
D4044	EZJZ0V80008B	VARISTOR	1	
D4047	MA3056M	ZENER DIODE	1	
D4049,50	B0HCMM000014	DIODE	2	
D5606	B0BC01100001	ZENER DIODE	1	
D5607	B0BC6R600005	ZENER DIODE	1	
D5610	B0BC4R700007	ZENER DIODE	1	(PA)
D5610	MA3X78900L	ZENER DIODE	1	(H)
D5612	B0BC3R700006	ZENER DIODE	1	
D5618	B0BC03900015	ZENER DIODE	1	
D5634	MA111	DIODE	1	
D5635	MA3047H	ZENER DIODE	1	
D5637,38	MA152	DIODE	2	
D5639	MA3047H	ZENER DIODE	1	
D5640	MA3039H	ZENER DIODE	1	
D5641	MA152	DIODE	1	
D5642	MA3120M	ZENER DIODE	1	
D5643	MA152	DIODE	1	
D5644	MA3068M	ZENER DIODE	1	
D5646,47	MA152	DIODE	2	
D5649	MA111	DIODE	1	
D6001	B0HBSN000008	DIODE	1	
D6021	B0HBSN000008	DIODE	1	
D6041	B0ECHP000003	DIODE	1	
D6051	B0ECHP000003	DIODE	1	
D6061	B0HBSN000008	DIODE	1	
D6071	B0HBSN000008	DIODE	1	
D6072	B0ECHP000003	DIODE	1	
D6081	B0HBSN000008	DIODE	1	
D6091	B0HBSN000008	DIODE	1	
D6092	B0ECHP000003	DIODE	1	
D6101,02	B0JCME000037	DIODE	2	
D6131,32	B0ECHP000003	DIODE	2	
D6151,52	B0ECHP000003	DIODE	2	
D6153	MA111	DIODE	1	
D6154	MA8033L	ZENER DIODE	1	
D6191,92	B0ECHP000003	DIODE	2	
D6211	B0JCME000037	DIODE	1	
D6221	B0ECHP000003	DIODE	1	
D6222,23	MA111	DIODE	2	
D6251,52	MA8330M	ZENER DIODE	2	
D6253	LNJ301MPUJA	LED	1	
D6254	MA8051L	ZENER DIODE	1	
D6255	MA111	DIODE	1	
D6401	B0HBSN000008	DIODE	1	
D6431	MA3DF40000LZ	DIODE	1	
D6441	B0ECHP000003	DIODE	1	
D6451	B0ECHP000003	DIODE	1	
D6461	B0HBSN000008	DIODE	1	

D0401	[illegible]	DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D6471	B0HBSN000008	DIODE	1	
D6472	B0ECHP000003	DIODE	1	
D6477	MA111	DIODE	1	
D6478	B0HCKS000002	DIODE	1	
D6480	MA111	DIODE	1	
D6481	B0HBSN000008	DIODE	1	
D6491	MA3DF40000LZ	DIODE	1	
D6497	MA111	DIODE	1	
D6501,02	B0ECHP000003	DIODE	2	
D6521,22	B0ECHP000003	DIODE	2	
D6523	MA111	DIODE	1	
D6524	MA8033L	ZENER DIODE	1	
D6581,82	MA8330M	ZENER DIODE	2	
D6583	LNJ301MPUJA	LED	1	
D6584	MA8051L	ZENER DIODE	1	
D6585	MA111	DIODE	1	
D6601	MA8240M	ZENER DIODE	1	
D6602	B0ECHP000003	DIODE	1	
D6603	MA8240M	ZENER DIODE	1	
D6604	MA111	DIODE	1	
D6605	MA8051L	ZENER DIODE	1	
D6606	B0HCMM000014	DIODE	1	
D6607	MA111	DIODE	1	
D6619,20	B0HCKS000002	DIODE	2	
D6621	B0HDSM000005	DIODE	1	
D6623	B0HDSM000005	DIODE	1	
D6641,42	B0HCKS000002	DIODE	2	
D6643	MA111	DIODE	1	
D6661	MA111	DIODE	1	
D6662-64	MA8330M	ZENER DIODE	3	
D6665	MA8051L	ZENER DIODE	1	
D6666,67	MA111	DIODE	2	
D6671	MA111	DIODE	1	
D6682	B0HCMM000014	DIODE	1	
D6683,84	MA111	DIODE	2	
D6686,87	MA111	DIODE	2	
D6701,02	MA8056H	ZENER DIODE	2	
D6721	B0HCKS000002	DIODE	1	
D6723,24	B0JCME000037	DIODE	2	
D6725	B0ECHP000003	DIODE	1	
D6726-33	MA8056H	ZENER DIODE	8	
D6734	MA111	DIODE	1	
D6752	B0JCME000037	DIODE	1	
D6758	B0ECHP000003	DIODE	1	
D6760,61	MA111	DIODE	2	
D6771	B0JCME000037	DIODE	1	
D6773	B0HCKS000002	DIODE	1	
D6781	MA111	DIODE	1	
D6791	MA8200M	ZENER DIODE	1	
D6801	B0JCME000037	DIODE	1	
D6803	MA111	DIODE	1	
D6804	B0ECHP000003	DIODE	1	
D6805	MA111	DIODE	1	
D6806	B0ECHP000003	DIODE	1	
D6822,23	MA111	DIODE	2	
D6825	MA8330M	ZENER DIODE	1	
D6826	MA111	DIODE	1	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D6841	B0ECHP000003	DIODE	1	
D6842,43	MA111	DIODE	2	
D6859	B0ECHP000003	DIODE	1	
D6860	B0HCKS000002	DIODE	1	
D6861	MA8051L	ZENER DIODE	1	
D6862	MA111	DIODE	1	
D6871	MA8051L	ZENER DIODE	1	
D6872	MA111	DIODE	1	
D6901,02	MA8056H	ZENER DIODE	2	
D6903,04	B0ECHP000003	DIODE	2	
D6921	B0ECHP000003	DIODE	1	
D6922	MA8056H	ZENER DIODE	1	
D6951,52	MA8056H	ZENER DIODE	2	
D6953,54	B0ECHP000003	DIODE	2	
D8002	MA728	DIODE	1	TH-37PD60B
D8203,04	B0JCPE000004	DIODE	2	TH-37PD60B
D8501	B0CCAB000039	DIODE	1	TH-37PD60B
D9017-19	MA3033	ZENER DIODE	3	
D9020	MA728	DIODE	1	
D9300,01	MA152K	DIODE	2	
D9800	B0JCME000037	DIODE	1	
D9801	B0JCDD000002	DIODE	1	
D9802	MA728	DIODE	1	
D9804	MA152K	DIODE	1	
D9805,06	B0JCGD000002	DIODE	2	
D9807,08	MA152K	DIODE	2	
D9809,10	B0JCGD000002	DIODE	2	
D9811	MA728	DIODE	1	
D9812	B0JCME000037	DIODE	1	
D9813	B0JCDD000002	DIODE	1	
D9814	B0JCME000037	DIODE	1	
D9815	B0JCDD000002	DIODE	1	
DG1	K1KY80A00011	80P CONNECTOR	1	
DG2	K1KA15B00074	15P CONNECTOR	1	
DG3	K1KY40B00003	40P CONNECTOR	1	
DG5	K1KB21BA0063	21P CONNECTOR	1	
DG7	K1KA20B00155	20P CONNECTOR	1	
DG9	K1FY119D0001	CONNECTOR	1	
DG15	K1KY40B00003	40P CONNECTOR	1	
DG20	K1MN40B00045	40P CONNECTOR	1	
DG22	K1KBB0A00009	CONNECTOR	1	TH-37PD60B
DG35	K1KA07BA0047	7P CONNECTOR	1	
FL4010,11	J0HABH000012	LC FILTER	2	TH-37PD60B
FL4015	J0HABH000012	LC FILTER	1	TH-37PD60B
FL7101	J0HABH000013	LC FILTER	1	
FL7201	J0HABH000013	LC FILTER	1	
FL9300,01	F1J1E1040022	LC FILTER	2	
FL9800,01	J0HABH000013	LC FILTER	2	
FL9803,04	J0HABH000012	LC FILTER	2	
FL9805-07	J0HABH000013	LC FILTER	3	
FL9900-02	F1J1E1040022	LC FILTER	3	
FL9903,04	J0HABH000013	LC FILTER	2	
H1	K1KY80A00011	80P CONNECTOR	1	
H2	K1KA15A00148	15P CONNECTOR	1	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
H5	K1KA15AA0288	15P CONNECTOR	1	
H6	K1KA09A00230	9P CONNECTOR	1	
H15	K1KA04AA0150	4P CONNECTOR	1	
H40	K1KA20AA0009	20P CONNECTOR	1	
H53	K1KA12AA0194	12P CONNECTOR	1	
HC01	K1KA21A00011	21P CONNECTOR	1	
HC12	K1KA09AA0190	9P CONNECTOR	1	
HC15	K1KY40B00003	40P CONNECTOR	1	
HC21	K1KA08AA0193	8P CONNECTOR	1	
HC22	K1KA11AA0194	11P CONNECTOR	1	
IC1100	C3ABPG000145	IC	1	
IC1101	TVRN985-1	IC	1	
IC1102	TVRN753-2	IC	1	TH-37PA60E PAVCCZ
IC1102	TVRN759-2	IC	1	TH-37PD60B PAVCCZ
IC1103	MN103SB20RGL	IC	1	
IC1105,06	C0JBAS000128	IC	2	TH-37PD60B
IC1107	C0JBAS000128	IC	1	
IC1110	C0CBCAD00016	IC	1	
IC1111	C0EBY0000041	IC	1	
IC2103	AN77L08M	IC	1	
IC2104	C0ABBA000168	IC	1	
IC2105	AN15862A-VT	IC	1	
IC2106	C1AB00002468	IC	1	
IC2302	C1AB00002451	IC	1	
IC2304	C0ABBA000168	IC	1	
IC2306	C0ABBA000168	IC	1	
IC3005	AN15867A-VT	IC	1	
IC4013	C0CBCBF00009	IC	1	
IC4016	C0CBCAC00275	IC	1	
IC4018	C0CBCAC00275	IC	1	
IC4019	C1AB00002456	IC	1	
IC4023	TVRN918	IC	1	
IC4025	C0FBBK000038	IC	1	
IC4026	C1AB00002442	IC	1	
IC4027	C0DBFFD00003	IC	1	
IC4028	C0ABBB000230	IC	1	
IC4029	C0CBCAC00282	IC	1	
IC4030	C0CBCBC00190	IC	1	
IC4032	C0DBGYY00052	IC	1	
IC4035	C0CBCAF00031	IC	1	
IC4036	C0JBAP000020	IC	1	
IC4037	MN84522-A	IC	1	
IC4038	C3ABQJ000048	IC	1	
IC5601A	N0BG2DE00001	IC	1	
IC5602	EHMDD9851	LINEAR IC	1	
IC5603	C0DBAJB00004	IC	1	
IC5604	C0DBZGC00067	IC	1	
IC6131	C0ZBZ0000895	IC	1	
IC6151	C0ZBZ0000895	IC	1	
IC6191	C0ZBZ0000895	IC	1	
IC6211	C0ZBZ0001325	IC	1	
IC6221	C0DBEMB00005	IC	1	
IC6241	C0JBAZ000005	IC	1	
IC6251	NJM2903M	INTEGRATED CIRCUIT	1	
IC6471	C0DBEKA00003	IC	1	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC6472	C0JBAA000377	IC	1	
IC6501	C0ZBZ0000895	IC	1	
IC6521	C0ZBZ0000895	IC	1	
IC6561,62	C0JBAZ000005	IC	2	
IC6581	NJM2903M	INTEGRATED CIRCUIT	1	
IC6601	C0ZBZ0001325	IC	1	
IC6602	C0JBAB000715	IC	1	
IC6671	C0ZBZ0001325	IC	1	
IC6681	C0ZBZ0001325	IC	1	
IC6682	C0JBAA000377	IC	1	
IC6721,22	C0JBAZ000994	IC	2	
IC6724,25	C0CBADC00089	IC	2	
IC6751	C0CBADC00089	IC	1	
IC6752	C0ZBZ0001325	IC	1	
IC6753	C0JBAB000715	IC	1	
IC6771	C0CBADC00089	IC	1	
IC6772	C0ZBZ0001325	IC	1	
IC6773,74	C0JBAA000377	IC	2	
IC6791	N0BF1FB00001	IC	1	
IC6801,02	C0DBEMB00005	IC	2	
IC6821	C0DBEMB00005	IC	1	
IC6841	C0DBEMB00005	IC	1	
IC6861	NJM2903M	INTEGRATED CIRCUIT	1	
IC6871	NJM2903M	INTEGRATED CIRCUIT	1	
IC6901-04	AN16071A-VT	IC	4	
IC6951-54	AN16071A-VT	IC	4	
IC7101-04	C0JBAZ001120	IC	4	
IC7201-05	C0JBAZ001120	IC	5	
IC8003	STV0360CT	IC	1	TH-37PD60B PAVCCZ
IC8009	C3ABQG000095	IC	1	TH-37PD60B PAVCCZ
IC8013	MN2WS0025BEA	IC	1	TH-37PD60B PAVCCZ
IC8019	TVRN789	IC	1	TH-37PD60B PAVCCZ
IC8023,24	C0DBAMH00018	IC	2	TH-37PD60B
IC8029	C0FBBK000038	IC	1	TH-37PD60B
IC8031	BA15218FDX	IC	1	TH-37PD60B
IC8034	C0DBEHG00006	IC	1	TH-37PD60B PAVCCZ
IC8042	C0EBM0000026	IC	1	TH-37PD60B
IC8213	C0JBAZ001137	IC	1	TH-37PD60B
IC8402	74LVC4245AD	IC	1	TH-37PD60B PAVCCZ
IC8404	C0JBAZ002691	IC	1	TH-37PD60B PAVCCZ
IC8405	C0ZBZ0001333	IC	1	TH-37PD60B PAVCCZ
IC8408-11	C0JBAZ002691	IC	4	TH-37PD60B PAVCCZ
IC8412	C0JBAZ001137	IC	1	TH-37PD60B
IC8501	74VHCU04MXNL	IC	1	TH-37PD60B PAVCCZ
IC8864	C0DBFFD00003	IC	1	TH-37PD60B
IC9001	TVRN806	IC	1	
IC9003	TVRN922	IC	1	
IC9007	TVRN941	IC	1	
IC9011	C0EBF0000431	IC	1	
IC9200	C1ZBZ0003185	IC	1	
IC9303	TVRN815	IC	1	
IC9500	C1ZBZ0002599	IC	1	
IC9502	PST9128NR	IC (LOGIC)	1	
IC9503,04	C0JBAZ000856	IC	2	
IC9800	C0DBAYY00054	IC	1	
IC9801	C0DBZFG00066	IC	1	
IC9802,03	C0JBAZ000856	IC	2	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC9806	C0DBAHD00011	IC	1	
IC9807	C0DBAYY00054	IC	1	
IC9809	C0DBAYY00054	IC	1	
IC9900	MN84521-A	IC	1	
IC9901	C3ABQJ000051	IC	1	
JK2002	K2HA204A0038	JACK	1	
JK2003	K4BK03A00002	AV TERMENAL	1	
JK3002-04	K1FB121A0010	CONNECTOR	3	PAVCCZ
JK3005	K2HA307A0008	JACK	1	
JK8401	K1NA68B00042	68P CONNECTOR	1	TH-37PD60B PAVCCZ
JS001	ERJ3GEY0R00	M 0 OHM, 1/16W	1	TH-37PD60B
JS012	ERJ3GEY0R00	M 0 OHM, 1/16W	1	TH-37PD60B
JS1100-02	ERJ2GE0R00	M 0.0 OHM, J,0.063W	3	
JS1109	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
JS1117	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
JS2021,22	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
JS2026	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS2031-33	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
JS2108,09	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
JS2123,24	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
JS2300-03	ERJ6GEY0R00	M 0 OHM, 1/10W	4	
JS2319	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS2331	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS3001	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS3005	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS3007-20	ERJ6GEY0R00	M 0 OHM, 1/10W	14	
JS3023	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS3037-39	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
JS3201	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS3206	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS3215	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS3230	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS3237	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS3239	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS3252	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS3255	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS3256,57	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
JS3302-04	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
JS3352	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS3354	J0JCC0000241	CHIP INDUCTOR	1	
JS3355	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS3357	J0JCC0000241	CHIP INDUCTOR	1	
JS3358	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS3359	J0JCC0000241	CHIP INDUCTOR	1	
JS3368	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS3402,03	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
JS3404,05	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
JS4016,17	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
JS4022-24	ERJ2GE0R00	M 0.0 OHM, J,0.063W	3	
JS4025,26	ERJ2GEJ101	M 100 OHM, J,0.063W	2	
JS4027,28	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
JS4029	ERJ2GEJ221	M 220 OHM, J,0.063W	1	
JS4033-40	ERJ2GE0R00	M 0.0 OHM, J,0.063W	8	
JS4042,43	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	TH-37PD60B
JS4046	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PA60E

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
JS4047,48	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	TH-37PD60B
JS4069	ERJ2GEJ221	M 220 OHM, J,0.063W	1	
JS4075	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PD60B
JS4077	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PD60B
JS4079	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PD60B
JS4095	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PA60E
JS4103	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PA60E
JS4104	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
JS4111	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS4117	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PD60B
JS5600	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS5602	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
K1	K1KY12B00001	12P CONNECTOR	1	
L008	J0JCC0000241	CHIP INDUCTOR	1	
L012	J0JCC0000241	CHIP INDUCTOR	1	
L017	J0JCC0000241	CHIP INDUCTOR	1	
L018	J0JGC0000021	CHIP INDUCTOR COIL	1	
L019	J0JCC0000241	CHIP INDUCTOR	1	TH-37PA60E
L020	J0JGC0000021	CHIP INDUCTOR COIL	1	
L021	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
L1101-04	J0JHC0000078	CHIP INDUCTOR	4	
L1109	J0JHC0000078	CHIP INDUCTOR	1	
L2001,02	J0JCC0000364	CHIP INDUCTOR	2	
L2003-16	TSK1032	BEAD CHOKE	14	
L2107	TSK1032	BEAD CHOKE	1	
L2108	J0JCC0000241	CHIP INDUCTOR	1	
L2109,10	TSK1032	BEAD CHOKE	2	
L2111,12	J0JCC0000241	CHIP INDUCTOR	2	
L2115	J0JCC0000241	CHIP INDUCTOR	1	
L2117	ELESE6R8KA	PEAKING COIL	1	
L2118	EXCELDR35C	BEAD CHOKE	1	
L2123	J0JCC0000241	CHIP INDUCTOR	1	
L2182-87	J0JCC0000241	CHIP INDUCTOR	6	
L2204	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
L2205,06	J0JCC0000241	CHIP INDUCTOR	2	
L2300-03	G0C330MA0049	PEAKING COIL	4	
L2308	TALL08N3R9MA	INDUCTION COIL	1	
L3000	G0C101K00023	PEAKING COIL	1	
L3001-03	TSK1032	BEAD CHOKE	3	
L3009	TSK1032	BEAD CHOKE	1	
L3026	TSK1032	BEAD CHOKE	1	
L3202	J0JCC0000241	CHIP INDUCTOR	1	
L3205	J0JCC0000241	CHIP INDUCTOR	1	
L4023	J0JCC0000077	CHIP INDUCTOR	1	
L4029	J0JHC0000078	CHIP INDUCTOR	1	
L4031	J0JHC0000078	CHIP INDUCTOR	1	
L4038	J0JHC0000078	CHIP INDUCTOR	1	
L4041	J0JHC0000078	CHIP INDUCTOR	1	
L4044-46	J0JHC0000078	CHIP INDUCTOR	3	
L4048	J0JHC0000078	CHIP INDUCTOR	1	
L4049	J0JBC0000080	CHIP INDUCTOR	1	
L4050,51	J0JHC0000078	CHIP INDUCTOR	2	
L4052	J0JCC0000077	CHIP INDUCTOR	1	
L4053-55	J0JHC0000078	CHIP INDUCTOR	3	
L4056,57	J0JCC0000077	CHIP INDUCTOR	2	

[illegible]	[illegible]	CHIP INDUCTOR	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L4060,61	J0JCC0000077	CHIP INDUCTOR	2	
L4065,66	J0JHC0000078	CHIP INDUCTOR	2	
L4068-70	J0JHC0000078	CHIP INDUCTOR	3	
L4071	J0JBC0000080	CHIP INDUCTOR	1	
L4073	J0JHC0000078	CHIP INDUCTOR	1	
L4075	J0JHC0000078	CHIP INDUCTOR	1	
L4077	J0JCC0000077	CHIP INDUCTOR	1	
L4078	J0JHC0000078	CHIP INDUCTOR	1	
L5602	TALL08N2R7MA	INDUCTION COIL	1	
L5604	TALL08N2R7MA	INDUCTION COIL	1	
L5605	G0A2R7ZA0021	CHOKE COIL	1	
L5606,07	G0A220GA0002	CHOKE COIL	2	
L5608	G1C100MA0072	INDUCTION COIL	1	
L5609	G0A220GA0002	CHOKE COIL	1	
L5610	G1C470MA0077	INDUCTION COIL	1	
L5612	TALL08N2R7MA	INDUCTION COIL	1	
L5615	TALL08N150KA	INDUCTION COIL	1	
L5621	G1C330MA0234	INDUCTION COIL	1	
L5622,23	G1C150MA0234	INDUCTION COIL	2	
L5624	G1C330MA0234	INDUCTION COIL	1	
L5651	G0A220GA0002	CHOKE COIL	1	
L6001-03	ELC11P0R6	CHOKE COIL	3	
L6011,12	ELC11P1R0	CHOKE COIL	2	
L6061-64	G0ZZ00002183	PEAKING COIL	4	
L6081-84	G0ZZ00002183	PEAKING COIL	4	
L6101,02	J0JJC0000011	CHIP INDUCTOR	2	
L6103	G0ZZ00002183	PEAKING COIL	1	
L6131	J0JJC0000011	CHIP INDUCTOR	1	
L6151	J0JJC0000011	CHIP INDUCTOR	1	
L6191	J0JJC0000011	CHIP INDUCTOR	1	
L6221	G0ZZ00002183	PEAKING COIL	1	
L6241	G0ZZ00002183	PEAKING COIL	1	
L6262	G0ZZ00002183	PEAKING COIL	1	
L6271,72	G0ZZ00002183	PEAKING COIL	2	
L6401-03	ELC11P0R6	CHOKE COIL	3	
L6411,12	ELC11P1R0	CHOKE COIL	2	
L6461-64	G0ZZ00002183	PEAKING COIL	4	
L6472	G0ZZ00002183	PEAKING COIL	1	
L6481-84	G0ZZ00002183	PEAKING COIL	4	
L6501	J0JJC0000011	CHIP INDUCTOR	1	
L6521	J0JJC0000011	CHIP INDUCTOR	1	
L6591,92	G0ZZ00002183	PEAKING COIL	2	
L6602	G0ZZ00002183	PEAKING COIL	1	
L8004	J0JHC0000045	CHIP INDUCTOR	1	TH-37PD60B
L8008	J0JHC0000045	CHIP INDUCTOR	1	TH-37PD60B
L8026	J0JHC0000035	CHIP INDUCTOR	1	TH-37PD60B
L8031-33	J0JHC0000045	CHIP INDUCTOR	3	TH-37PD60B
L8037	J0JCC0000078	CHIP INDUCTOR	1	TH-37PD60B
L8038	J0JHC0000045	CHIP INDUCTOR	1	TH-37PD60B
L8042	J0JHC0000045	CHIP INDUCTOR	1	TH-37PD60B
L8046	ELJPA1R0MFB	INDUCTION COIL	1	TH-37PD60B
L8047	G1C680MA0173	INDUCTION COIL	1	TH-37PD60B PAVCCZ
L8048	G1C330MA0173	INDUCTION COIL	1	TH-37PD60B PAVCCZ
L8049	J0JHC0000045	CHIP INDUCTOR	1	TH-37PD60B
L8051	J0JCC0000241	CHIP INDUCTOR	1	TH-37PD60B
L8055	G1C100MA0077	INDUCTION COIL	1	TH-37PD60B
L8059	J0JHC0000045	CHIP INDUCTOR	1	TH-37PD60B

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L8106	ELJFA2R7JBB	CHIP INDUCTOR	1	TH-37PD60B PAVCCZ
L8145	J0JHC0000045	CHIP INDUCTOR	1	TH-37PD60B
L8501	ELJNA2R7JFB	CHIP INDUCTOR	1	TH-37PD60B
L9500	G1C150KA0038	INDUCTION COIL	1	
L9501,02	J0JHC0000078	CHIP INDUCTOR	2	
L9800	G1C3R0MA0248	INDUCTION COIL	1	
L9801,02	G1C2R2MA0241	INDUCTION COIL	2	
L9810	J0JHC0000045	CHIP INDUCTOR	1	
PA2	K1KA05AA0192	5P CONNECTOR	1	
PA5	K1KA11AA0194	11P CONNECTOR	1	
PA10	K1KA06A00452	6P CONNECTOR	1	
PA20	K1MN40A00024	40P CONNECTOR	1	
PA40	K1KA20AA0009	20P CONNECTOR	1	
PA2100	K5H1622A0023	FUSE	1	
PA3100	K5H1622A0023	FUSE	1	
PA3104	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
PA9800	K5H4022A0023	FUSE	1	
PC6480	B3PBA0000223	IC	1	
PC6701-03	B3PBA0000397	IC	3	
PC6704	K7GBZEE00007	PHOTO COUPLER	1	
PC6705	B3PBA0000397	IC	1	
PC6760	B3PBA0000223	IC	1	
PC6801	B3PBA0000223	IC	1	
PC6861	B3PBA0000223	IC	1	
PC6871	B3PBA0000223	IC	1	
Q002	2SA207700L	TRANSISTOR	1	
Q1100,01	2SC584500L	TRANSISTOR	2	
Q1103	2SC584500L	TRANSISTOR	1	
Q1106,07	2SC584500L	TRANSISTOR	2	TH-37PD60B
Q1108	2SC584500L	TRANSISTOR	1	
Q1109,10	B1CBHD000002	FET	2	
Q1111	2SC584500L	TRANSISTOR	1	
Q1113-18	2SC584500L	TRANSISTOR	6	
Q1120-22	2SC584500L	TRANSISTOR	3	
Q1130	2SC584500L	TRANSISTOR	1	
Q1131	B1ABCF000138	TRANSISTOR	1	
Q1134	2SC584500L	TRANSISTOR	1	
Q1135	B1ABCF000138	TRANSISTOR	1	
Q1137-43	2SC584500L	TRANSISTOR	7	
Q2001-04	2SC584500L	TRANSISTOR	4	
Q2006,07	2SC584500L	TRANSISTOR	2	
Q2009,10	2SC584500L	TRANSISTOR	2	
Q2011	2SA207700L	TRANSISTOR	1	
Q2012	2SC584500L	TRANSISTOR	1	
Q2013	2SA207700L	TRANSISTOR	1	
Q2102-05	2SA207700L	TRANSISTOR	4	
Q2106	2SC584500L	TRANSISTOR	1	
Q2108	2SC584500L	TRANSISTOR	1	
Q2113,14	2SC584500L	TRANSISTOR	2	
Q2300	2SA207700L	TRANSISTOR	1	(PA)
Q2300	2SC584500L	TRANSISTOR	1	(H)
Q2301	2SD601A	TRANSISTOR	1	(H)
Q2301	2SD601A	TRANSISTOR	1	(PA)
Q2302	2SC584500L	TRANSISTOR	1	

[illegible]	[illegible]	TRANSISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q2303	2SD601A	TRANSISTOR	1	
Q2306,07	2SA207700L	TRANSISTOR	2	
Q2314-17	2SC584500L	TRANSISTOR	4	
Q2510,11	2SD601A	TRANSISTOR	2	
Q2518	2SD601A	TRANSISTOR	1	TH-37PD60B
Q2519	2SB709A	TRANSISTOR	1	
Q3001	2SC584500L	TRANSISTOR	1	
Q3005	2SC584500L	TRANSISTOR	1	
Q3008	2SA207700L	TRANSISTOR	1	
Q3011	2SA207700L	TRANSISTOR	1	
Q3014,15	2SA207700L	TRANSISTOR	2	
Q3016	2SC584500L	TRANSISTOR	1	
Q3017	2SA207700L	TRANSISTOR	1	
Q3019-22	2SC584500L	TRANSISTOR	4	
Q3024	2SC584500L	TRANSISTOR	1	
Q3027-29	2SA207700L	TRANSISTOR	3	
Q4050	2SC584500L	TRANSISTOR	1	
Q4053	2SC584500L	TRANSISTOR	1	
Q4055-59	2SA207700L	TRANSISTOR	5	
Q4061-64	2SC584500L	TRANSISTOR	4	
Q4066,67	2SC584500L	TRANSISTOR	2	
Q4069	2SC584500L	TRANSISTOR	1	
Q4070	B1MBACA00008	TRANSISTOR	1	
Q4082	2SK1228	FET	1	
Q4918	B1ABCF000138	TRANSISTOR	1	
Q4919	2SC584500L	TRANSISTOR	1	
Q5601	B1DHDC000028	TRANSISTOR	1	
Q5602	2SD601A	TRANSISTOR	1	
Q5603	B1DHDC000028	TRANSISTOR	1	
Q5604,05	2SD601A	TRANSISTOR	2	
Q5610	2SD601A	TRANSISTOR	1	
Q5613	2SD601A	TRANSISTOR	1	
Q5614	2SK3065T100	FET	1	
Q5641-43	2SA207700L	TRANSISTOR	3	
Q5644	2SD601A	TRANSISTOR	1	
Q6001-03	2PG0010000RP	TRANSISTOR	3	
Q6021-23	2PG0010000RP	TRANSISTOR	3	
Q6041,42	2PG0010000RP	TRANSISTOR	2	
Q6051	2PG0010000RP	TRANSISTOR	1	
Q6101,02	B1DFKM000002	TRANSISTOR	2	
Q6111	2SK326800L	FET	1	
Q6112	B1DFKM000002	TRANSISTOR	1	
Q6141	B1ABNF000006	TRANSISTOR	1	
Q6142	B1ADNF000006	TRANSISTOR	1	
Q6146	B1ABNF000006	TRANSISTOR	1	
Q6147	B1ADNF000006	TRANSISTOR	1	
Q6221	2SD1263A	TRANSISTOR	1	
Q6222	2SC1473A	TRANSISTOR	1	
Q6251	2SD601A	TRANSISTOR	1	
Q6401-03	2PG0010000RP	TRANSISTOR	3	
Q6421-23	2PG0020000RP	TRANSISTOR	3	
Q6441,42	2PG0010000RP	TRANSISTOR	2	
Q6451	2PG0020000RP	TRANSISTOR	1	
Q6471	B1CHGD000006	TRANSISTOR	1	
Q6511	B1ABNF000006	TRANSISTOR	1	
Q6512	B1ADNF000006	TRANSISTOR	1	
Q6516	B1ABNF000006	TRANSISTOR	1	

[illegible]	[illegible]	TRANSISTOR	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q6517	B1ADNF000006	TRANSISTOR	1	
Q6581	2SD601A	TRANSISTOR	1	
Q6601	B1DFES000003	TRANSISTOR	1	
Q6602	2SD601A	TRANSISTOR	1	
Q6621,22	2SK399500L	FET	2	
Q6642-44	2SK399500L	FET	3	
Q6646-48	2SK399500L	FET	3	
Q6661	B1DEET000002	TRANSISTOR	1	
Q6662	2SD601A	TRANSISTOR	1	
Q6663	2SD2185	TRANSISTOR	1	
Q6671	B1DFES000003	TRANSISTOR	1	
Q6680	B1ADNF000006	TRANSISTOR	1	
Q6681,82	2SK389500L	FET	2	
Q6691	2SK620	FET	1	
Q6742,43	2SD601A	TRANSISTOR	2	
Q6744	2SK620	FET	1	
Q6762	B1ADNF000006	TRANSISTOR	1	
Q6782	B1ADNF000006	TRANSISTOR	1	
Q6791	2SD601A	TRANSISTOR	1	
Q6801	B1BAEJ000014	TRANSISTOR	1	
Q6802	2SB0709A	TRANSISTOR	1	
Q6803	2SD814A	TRANSISTOR	1	
Q6821	2SD1263A	TRANSISTOR	1	
Q6822	2SC3063	TRANSISTOR	1	
Q6824	2SD601A	TRANSISTOR	1	
Q6841	2SD1263A	TRANSISTOR	1	
Q6842	2SC1473A	TRANSISTOR	1	
Q6921	2SK620	FET	1	
Q8101	2SA207700L	TRANSISTOR	1	TH-37PD60B
Q8401,02	2SD601A	TRANSISTOR	2	TH-37PD60B
Q9010	2SD601A	TRANSISTOR	1	
Q9044	2SD601A	TRANSISTOR	1	
Q9046	2SD601A	TRANSISTOR	1	
Q9049	2SB709A	TRANSISTOR	1	
Q9050-54	2SD601A	TRANSISTOR	5	
Q9055-58	B1CBHD000002	FET	4	
Q9300-02	2SD601A	TRANSISTOR	3	
Q9500	B1CBHD000002	FET	1	
Q9800,01	B1MBEDA00015	TRANSISTOR	2	
Q9803	B1MBEDA00015	TRANSISTOR	1	
Q9805,06	2SD601A	TRANSISTOR	2	
R002	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R005	ERJ3EKF5600	M 560 OHM, 1/16W	1	
R008,09	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R010	ERJ3EKF4700	M 470 OHM, 1/16W	1	
R011	ERJ6GEYJ271	M 270 OHM,J,1/10W	1	
R012,13	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R014	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R1101	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1102,03	ERJ2GEJ102	M 1KOHM, J,0.063W	2	
R1105,06	ERJ2GEJ102	M 1KOHM, J,0.063W	2	
R1108-12	ERJ2GEJ101	M 100 OHM, J,0.063W	5	
R1113	ERJ2GEJ332	M 3.3KOHM, J,0.063W	1	
R1114	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1116	ERJ2GEJ562	M 5.6KOHM,J,0.063W	1	
R1117	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R1118,19	EXB2HV680J	RESISTOR ARRAY	2	
R1121,22	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R1123	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1124,25	ERJ2GEJ332	M 3.3KOHM, J,0.063W	2	
R1128	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-37PD60B
R1129	ERJ2GEJ473	M 47KOHM,J,0.063W	1	TH-37PA60E
R1130	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1131,32	ERJ2GEJ101	M 100 OHM, J,0.063W	2	
R1133,34	ERJ2GEJ102	M 1KOHM, J,0.063W	2	
R1135	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R1140,41	ERJ2GEJ680	M 68 OHM, J,0.063W	2	
R1145	ERJ2GEJ101	M 100 OHM, J,0.063W	1	TH-37PD60B
R1146	ERJ2GEJ271	M 270 OHM, J,0.063W	1	
R1147,48	D1HG5608A002	NETWORK RESISTER	2	
R1149	EXB2HV680J	RESISTOR ARRAY	1	
R1150	ERJ2GEJ101	M 100 OHM, J,0.063W	1	TH-37PD60B
R1151	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1153	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1154,55	ERJ2GEJ472	M 4.7KOHM, J,0.063W	2	
R1156	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1157	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1158	ERJ2GEJ273	M 27KOHM ,J,0.063W	1	
R1159	ERJ2GEJ123X	M 12KOHM ,J,0.063W	1	
R1160	ERJ2GEJ473	M 47KOHM,J,0.063W	1	TH-37PA60E
R1162	ERJ2GEJ473	M 47KOHM,J,0.063W	1	TH-37PA60E
R1164	ERJ2GEJ123X	M 12KOHM ,J,0.063W	1	
R1165	ERJ2GEJ153	M 15KOHM ,J,0.063W	1	
R1166,67	ERJ2GEJ101	M 100 OHM, J,0.063W	2	TH-37PD60B
R1168,69	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R1174	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1175	ERJ2GEJ563	M 56KOHM ,J,0.063W	1	
R1176	ERJ2GEJ123X	M 12KOHM ,J,0.063W	1	
R1177	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1181	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1182	ERJ2GEJ683	M 68KOHM, J,0.063W	1	
R1183	EXB28V680JX	RESISTOR ARRAY	1	
R1184	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1187	EXB2HV680J	RESISTOR ARRAY	1	
R1188	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R1192	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R1197	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1199	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1200	EXB2HV680J	RESISTOR ARRAY	1	
R1203	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R1207	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1212	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1214	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R1215-17	ERJ2GEJ101	M 100 OHM, J,0.063W	3	
R1218	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R1220	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R1221	ERJ2GEJ332	M 3.3KOHM, J,0.063W	1	
R1222	ERJ2GEJ330	M 33 OHM, J,0.063W	1	
R1223	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R1224	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1225,26	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R1228	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R1229	ERJ2GEJ182	M 1.8KOHM, J,0.063W	1	

R1225	ERJ2GEJ102	MF 1.0KOHM, J,0.063W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R1230	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R1231	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1232,33	ERJ2GEJ332	M 3.3KOHM, J,0.063W	2	
R1234	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1235,36	ERJ2GEJ272	M 2.7KOHM, J,0.063W	2	
R1238	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1239	ERJ3EKF1202	M 12KOHM, 1/16W	1	
R1240	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1241	ERJ2GEJ822	M 8.2KOHM, J,0.063W	1	
R1243	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R1246	ERJ2GEJ912	M 9.1KOHM, J,0.063W	1	
R1249	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1250	ERJ2GEJ224	M 220KOHM, J,0.063W	1	
R1251,52	EXB2HV101J	RESISTOR ARRAY	2	
R1256	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R1259	ERJ2GEJ101	M 100 OHM, J,0.063W	1	TH-37PD60B
R1263,64	ERJ2GEJ101	M 100 OHM, J,0.063W	2	
R1269	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1270,71	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R1275	ERJ3EKF7151	M7.15KOHM, 1/16W	1	
R1279,80	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R1281	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R1282	ERJ2GEJ153	M 15KOHM ,J,0.063W	1	
R1283	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1290	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R1292,93	ERJ2GEJ104	M 100KOHM, J,0.063W	2	TH-37PD60B
R1296,97	ERJ2GEJ473	M 47KOHM,J,0.063W	2	TH-37PD60B
R1298	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1299-02	ERJ2GE0R00	M 0.0 OHM, J,0.063W	4	TH-37PA60E
R1303-06	ERJ2GEJ220	M 22 OHM, J,0.063W	4	TH-37PD60B
R1307	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1308	ERJ2GEJ273	M 27KOHM ,J,0.063W	1	
R1309-12	ERJ2GEJ220	M 22 OHM, J,0.063W	4	
R1313,14	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R1315	ERJ2GEJ333	M 33KOHM, J,0.063W	1	
R1316	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R1318,19	ERJ2GEJ512X	M5.12KOHM, J,0.063W	2	
R1321	ERJ2GEJ153	M 15KOHM ,J,0.063W	1	
R1322	ERJ2GEJ100	M 10 OHM, J,0.063W	1	
R1323,24	ERJ2GEJ823	M 82KOHM, J,0.063W	2	
R1325,26	ERJ2GEJ104	M 100KOHM, J,0.063W	2	
R1327,28	ERJ2GEJ683	M 68KOHM, J,0.063W	2	
R1329,30	ERJ2GEJ473	M 47KOHM,J,0.063W	2	
R1331,32	ERJ2GEJ104	M 100KOHM, J,0.063W	2	
R1333	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1334	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1335	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1336	ERJ2GEJ225	M 1MOHM, J,0.063W	1	
R1337	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R1340	ERJ2GEJ473	M 47KOHM,J,0.063W	1	TH-37PA60E
R1341	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1344	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1346	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1350	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1352	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1353	ERJ2GEJ223	M 22KOHM, J,0.063W	1	
R1355	ERJ2GEJ104	M 100KOHM, J,0.063W	1	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R1358	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1359	ERJ2GEJ224	M 220KOHM, J,0.063W	1	
R1360	ERJ2GEJ221	M 220 OHM, J,0.063W	1	
R1361	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1363	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1364	ERJ2GEJ273	M 27KOHM ,J,0.063W	1	
R1365	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1367	ERJ2GEJ333	M 33KOHM, J,0.063W	1	
R1368	ERJ2GEJ183	M 18KOHM ,J,0.063W	1	
R1369	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1370	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1372	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1373	ERJ2GEJ683	M 68KOHM, J,0.063W	1	
R1375	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1376	ERJ2GEJ273	M 27KOHM ,J,0.063W	1	
R1377	ERJ8GEY0R00	M 0 OHM, 1/8W	1	
R1378	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R1379	ERJ2GEJ331	M 330 OHM, J,0.063W	1	
R1380	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1381	ERJ2GEJ474	M 470KOHM, J,0.063W	1	
R1384	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1389	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1391,92	ERJ2GEJ473	M 47KOHM,J,0.063W	2	
R1408	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1410	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R1411	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R1412,13	ERJ2GEJ104	M 100KOHM, J,0.063W	2	
R1414	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1426-32	ERJ8GEY0R00	M 0 OHM, 1/8W	7	
R1436,37	ERJ2GEJ561	M 60 OHM, J,0.063W	2	
R1439	ERJ2GEJ271	M 270 OHM, J,0.063W	1	
R1441	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1446,47	ERJ2GEJ471	M 470 OHM, J,0.063W	2	
R1448,49	ERJ2GEJ473	M 47KOHM,J,0.063W	2	
R1451	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1452	ERJ2GEJ473	M 47KOHM,J,0.063W	1	TH-37PA60E
R1454	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1458,59	ERJ2GEJ101	M 100 OHM, J,0.063W	2	
R1466	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R1467	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1470	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1472,73	ERJ2GEJ301	M 300 OHM, J,0.063W	2	
R1474	ERJ8GEY0R00	M 0 OHM, 1/8W	1	
R1475	ERJ2GEJ271	M 270 OHM, J,0.063W	1	
R1478	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R1479	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1480	ERJ2GEJ473	M 47KOHM,J,0.063W	1	TH-37PA60E
R1489	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1490	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PA60E
R1491	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PD60B
R1526	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R1530,31	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R1554,55	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R1556	ERJ2GEJ331	M 330 OHM, J,0.063W	1	
R2005	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R2006-11	ERJ6GEYJ223	M 22KOHM,J,1/10W	6	
R2012	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2013,14	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	2	
R2015,16	ERJ3GEYJ331	M 330 OHM,J,1/16W	2	
R2018,19	ERJ3GEYJ104	M 100KOHM,J,1/16W	2	
R2023	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R2027,28	ERJ3GEYJ104	M 100KOHM,J,1/16W	2	
R2031	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R2033	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R2035,36	ERJ3GEYJ104	M 100KOHM,J,1/16W	2	
R2038	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R2040	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R2042	ERJ3GEYJ105	M 1MOHM,J,1/16W	1	
R2043	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R2044	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R2045,46	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R2048	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R2049,50	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R2051,52	ERJ6GEYJ184	M 180KOHM,J,1/10W	2	
R2053	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R2054	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2101,02	ERJ3GEYJ331	M 330 OHM,J,1/16W	2	
R2103	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R2113,14	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R2116	J0JCC0000241	CHIP INDUCTOR	1	
R2124,25	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R2126,27	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R2130	ERJ3EKF1002	M 10KOHM, 1/16W	1	
R2131	ERJ3EKF8201	M 8.2KOHM, 1/16W	1	
R2132	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R2133	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2135,36	ERJ3GEYJ331	M 330 OHM,J,1/16W	2	
R2137	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R2138	ERJ3EKF1002	M 10KOHM, 1/16W	1	
R2147	ERJ3EKF1002	M 10KOHM, 1/16W	1	
R2148,49	ERJ3EKF6342	M6.34KOHM, 1/16W	2	
R2152	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R2153	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2154	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R2155,56	ERJ3GEYJ221	M 220 OHM,J,1/16W	2	
R2158	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2161	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R2163	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R2164	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2165,66	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R2167	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2168,69	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R2170-77	ERJ3GEYJ221	M 220 OHM,J,1/16W	8	
R2181	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2182,83	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R2184-87	ERJ3GEYJ221	M 220 OHM,J,1/16W	4	
R2188	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2190	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2192,93	ERJ3GEYJ221	M 220 OHM,J,1/16W	2	
R2195,96	ERJ3GEYJ104	M 100KOHM,J,1/16W	2	
R2197	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R2199,00	ERJ3GEYJ221	M 220 OHM,J,1/16W	2	
R2202	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R2204	ERJ6GEYJ561	M 560 OHM,J,1/10W	1	

R2204	ERJ3GEYJ331	M 330 OHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2208	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R2209	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R2210	ERJ6GEYJ122	M 1.2KOHM,J,1/10W	1	
R2211	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2213	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2214	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R2215	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2224,25	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R2234,35	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R2236	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R2237	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2238,39	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R2246	ERJ3EKF3602	M 36KOHM, 1/16W	1	
R2302	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R2303	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R2304	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R2305	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R2306	ERJ6GEYJ821	M 820 OHM,J,1/10W	1	
R2307	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R2310	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(PA)
R2310	ERJ3GEYJ184	M 180KOHM,J,1/16W	1	(H)
R2311	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(PA)
R2311	ERJ6GEYJ182	M 1.8KOHM,J,1/10W	1	(H)
R2312	ERJ3EKF1002	M 10KOHM, 1/16W	1	
R2323,24	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R2325	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2329	ERJ3EKF1003	M 100KOHM, 1/16W	1	
R2332	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2338	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2341	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2349	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R2354	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R2357	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2359	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R2360	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2361	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R2363	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R2364	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R2365	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R2366	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R2368	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2369	ERJ3GEYJ183	M 18KOHM,J,1/16W	1	
R2372,73	ERJ6GEYJ681	M 680 OHM,J,1/10W	2	
R2375	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R2376	ERJ3EKF1002	M 10KOHM, 1/16W	1	
R2379,80	ERJ6ENF2201	M 2.2KOHM, 1/10W	2	
R2383	ERJ3EKF3301	M 3.3KOHM, 1/16W	1	
R2384	ERJ3EKF1151	M1.15KOHM, 1/16W	1	
R2387	ERJ3EKF1151	M1.15KOHM, 1/16W	1	
R2388	ERJ3EKF3301	M 3.3KOHM, 1/16W	1	(PA)
R2388,89	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	(H)
R2390	ERJ3GEYJ203	M 20KOHM,J,1/16W	1	
R2391	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2392	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R2393	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2396	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2397	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	(H)

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2397	ERJ6GEY0R00	M 0 OHM, 1/10W	1	(PA)
R2398	ERJ3GEYJ123	M 12KOHM,J,1/16W	1	(H)
R2398	ERJ6GEY0R00	M 0 OHM, 1/10W	1	(PA)
R2399	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R2400	ERJ6GEYJ182	M 1.8KOHM,J,1/10W	1	
R2401,02	ERJ3GEYJ331	M 330 OHM,J,1/16W	2	
R2403	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R2404,05	ERJ3GEYJ331	M 330 OHM,J,1/16W	2	
R2406	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R2407	ERJ3EKF1241	M1.24KOHM, 1/16W	1	
R2408	ERJ3EKF1071	M1.07KOHM, 1/16W	1	
R2409	ERJ3EKF1621	M1.62KOHM, 1/16W	1	
R2410	ERJ3EKF7870	M 787 OHM, 1/16W	1	
R2421	ERJ3EKF1621	M1.62KOHM, 1/16W	1	
R2422	ERJ3EKF7870	M 787 OHM, 1/16W	1	
R2516	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R2517	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R2520	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R2521	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	TH-37PD60B
R2524	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R2525	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R2526	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R2538	ERJ6ENF2871	M2.87KOHM, 1/10W	1	TH-37PD60B
R2540	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	TH-37PD60B
R2542	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R2545	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R2550	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2552	ERJ6GEY0R00	M 0 OHM, 1/10W	1	TH-37PD60B
R2553	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R2557	ERJ6ENF9760	M 976 OHM, 1/10W	1	
R2559,60	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R3001,02	ERJ6ENF1500	M 150 OHM, 1/10W	2	
R3003-05	ERJ6ENF75R0	M 75 OHM, 1/10W	3	
R3006-08	ERJ6ENF1500	M 150 OHM, 1/10W	3	
R3009-15	ERJ6ENF75R0	M 75 OHM, 1/10W	7	
R3016,17	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R3018,19	ERJ6GEYJ680	M 68 OHM,J,1/10W	2	
R3020-22	ERJ6ENF2202	M 2.2KOHM, 1/10W	3	
R3023,24	ERJ6ENF1202	M 12KOHM, 1/10W	2	
R3025	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R3026	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R3027,28	ERJ6ENF1500	M 150 OHM, 1/10W	2	
R3030-32	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R3033,34	ERJ6ENF1500	M 150 OHM, 1/10W	2	
R3036	ERJ6ENF1500	M 150 OHM, 1/10W	1	
R3041,42	ERJ3GEYJ182	M 1.8KOHM,J,1/16W	2	
R3043	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R3044,45	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R3048	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R3049	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3050	ERJ3GEYJ242	M 2.4KOHM,J,1/16W	1	
R3051	ERJ3GEYJ682	M 6.8KOHM,J,1/16W	1	
R3052	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3057,58	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R3059-61	ERJ3GEYJ221	M 220 OHM,J,1/16W	3	
R3064	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3074,75	ERJ3GEYJ221	M 220 OHM,J,1/16W	2	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3076	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3077	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3078	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3086-88	ERJ3GEYJ221	M 220 OHM,J,1/16W	3	
R3089,90	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R3092	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3094-01	ERJ3GEYJ221	M 220 OHM,J,1/16W	8	
R3102	ERJ3GEYJ682	M 6.8KOHM,J,1/16W	1	
R3103	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R3105	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R3107	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R3109	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R3111-14	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R3115	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3118	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3121	ERJ3EKF1300V	M 130 OHM, 1/16W	1	
R3122	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3123	ERJ3EKF1000	M 100 OHM, 1/16W	1	
R3125	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3126	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3127	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3130,31	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R3132,33	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R3134	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R3136	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R3138	ERJ3EKF1000	M 100 OHM, 1/16W	1	
R3139	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3140	ERJ3EKF1300V	M 130 OHM, 1/16W	1	
R3141	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3143	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R3144	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3145	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R3146	ERJ3GEYJ361	M 360 OHM,J,1/16W	1	
R3149	ERJ3GEYJ361	M 360 OHM,J,1/16W	1	
R3150	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R3151	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3152	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R3153,54	ERJ3GEYJ361	M 360 OHM,J,1/16W	2	
R3155	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R3156	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3157	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R3158,59	ERJ3GEYJ361	M 360 OHM,J,1/16W	2	
R3160,61	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R3163	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R3206	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3213-15	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R3222	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3224	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3227-29	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R3238	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3239	ERJ3GEYJ683	M 68KOHM,J,1/16W	1	
R3243-49	ERJ3GEY0R00	M 0 OHM, 1/16W	7	
R3250-53	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	4	
R3320	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3323,24	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R3750	ERJ6ENF1432	M14.3KOHM, 1/10W	1	
R3751	ERJ6ENF6651	M6.65KOHM, 1/10W	1	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3752	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3753	ERJ6ENF1741	M1.74KOHM, 1/10W	1	
R3754	ERJ6ENF7151	M7.15KOHM, 1/10W	1	
R3757	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R4001	ERJ3EKF1211	M1.21KOHM, 1/16W	1	
R4004	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4008	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4010	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4018	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-37PA60E
R4019	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4021	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4022	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R4024,25	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R4026	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R4029	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4031	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4033	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4037-39	D1HG1038A002	NETWORK RESISTER	3	
R4040,41	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R4045,46	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R4047	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4257	ERJ3EKF3302	M 33KOHM, 1/16W	1	
R4265	ERJ3EKF3242	M32.4KOHM, 1/16W	1	
R4269	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4271,72	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R4286,87	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R4293	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4338-43	ERJ2GE0R00	M 0.0 OHM, J,0.063W	6	
R4457	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4465	ERJ2GEJ224	M 220KOHM, J,0.063W	1	
R4469,70	ERJ3EKF1500	M 150 OHM, 1/16W	2	
R4472	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PD60B
R4474	ERJ3EKF1211	M1.21KOHM, 1/16W	1	
R4479,80	ERJ3EKF4220	M 422 OHM, 1/10W	2	
R4481	ERJ3EKF2201	M 2.2KOHM, 1/16W	1	
R4482,83	ERJ3EKF1781	M1.78KOHM, 1/16W	2	
R4486	ERJ3EKF4870	M 487 OHM, 1/16W	1	
R4487	ERJ3EKF5600	M 560 OHM, 1/16W	1	
R4488	ERJ3EKF2201	M 2.2KOHM, 1/16W	1	
R4490	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R4492	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R4495	ERJ3EKF4302	M 43KOHM, 1/16W	1	
R4496-99	ERJ6GEYJ102	M 1KOHM,J,1/10W	4	
R4500	ERJ3EKF2702V	M27.0KOHM, 1/16W	1	
R4501,02	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R4503	ERJ3EKF1600	M 160 OHM, 1/16W	1	
R4505	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4506	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4508-11	ERJ2GE0R00	M 0.0 OHM, J,0.063W	4	
R4513	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4517	ERJ3EKF1371	M 13.7 OHM, 1/16W	1	
R4520	ERJ3EKF1691	M1.69KOHM, 1/16W	1	
R4521,22	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R4527	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4533	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4540	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4542	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R4544	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4550	EXB28V220J	RESISTOR ARRAY	1	
R4552	EXB28V220J	RESISTOR ARRAY	1	
R4554	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4555	EXB28V220J	RESISTOR ARRAY	1	
R4560,61	EXB28V220J	RESISTOR ARRAY	2	
R4563-65	ERJ2GEJ220	M 22 OHM, J,0.063W	3	
R4568	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R4572	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4575	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R4577-79	ERJ2GEJ222	M 2.2KOHM, J,0.063W	3	
R4584	ERJ2GEJ390	M 39 OHM, J,0.063W	1	
R4597-04	ERJ2GEJ2R7X	M 2.7OHM, J,0.063W	8	
R4606	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4607	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4609	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4613	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R4618	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R4621	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R4622	ERJ2GEJ560	M 56 OHM, J,0.063W	1	
R4626	ERJ2GEJ560	M 56 OHM, J,0.063W	1	
R4628	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4629-32	ERJ2GEJ472	M 4.7KOHM, J,0.063W	4	
R4634	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4636	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4637	ERJ2GEJ330	M 33 OHM, J,0.063W	1	
R4639	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4640	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4641	EXB28V330J	RESISTOR ARRAY	1	
R4642-45	ERJ2GEJ220	M 22 OHM, J,0.063W	4	
R4647	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4648	ERJ2GEJ330	M 33 OHM, J,0.063W	1	
R4655	ERJ2GEJ330	M 33 OHM, J,0.063W	1	
R4657	ERJ2GEJ182	M 1.8KOHM, J,0.063W	1	
R4658	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4660	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4661	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R4662	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4665	EXB2HV220JV	RESISTOR ARRAY	1	
R4667	EXB2HV220JV	RESISTOR ARRAY	1	
R4668	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R4669	EXB2HV220JV	RESISTOR ARRAY	1	
R4672,73	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R4675	ERJ3EKF1802	M 18KOHM, 1/16W	1	
R4677	ERJ3EKF1802	M 18KOHM, 1/16W	1	
R4679,80	ERJ3EKF2202	M 22KOHM, 1/16W	2	
R4681,82	ERJ3EKF3302	M 33KOHM, 1/16W	2	
R4701	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R4706	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4708,09	ERJ2GEJ680	M 68 OHM, J,0.063W	2	
R4710	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4711	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4712	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4713,14	EXB2HV221JV	RESISTOR ARRAY	2	
R4715	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4718-20	ERJ2GEJ680	M 68 OHM, J,0.063W	3	
R4727	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	

R4727	ERJ2GE0R00	[illegible]	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R4729,30	ERJ3EKF1000	M 100 OHM, 1/16W	2	
R4731	ERJ3EKF1001	M 1KOHM, 1/16W	1	
R4732	ERJ3EKF4751	M4.75KOHM, 1/16W	1	
R4733	ERJ3EKF75R0	M 0.75HM, 1/16W	1	
R4735	ERJ3EKF2001	M 2KOHM, 1/16W	1	
R4737	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4738,39	ERJ2GEJ332	M 3.3KOHM, J,0.063W	2	
R4743-47	ERJ2GEJ680	M 68 OHM, J,0.063W	5	
R4749,50	EXB2HV680J	RESISTOR ARRAY	2	
R4751-54	ERJ2GEJ220	M 22 OHM, J,0.063W	4	
R4756-60	ERJ2GEJ680	M 68 OHM, J,0.063W	5	
R4762	EXB2HV680J	RESISTOR ARRAY	1	
R4763-65	ERJ2GE0R00	M 0.0 OHM, J,0.063W	3	
R4772	EXB2HV470JV	RESISTOR ARRAY	1	
R4773	ERJ2GEJ470	M 47 OHM, J,0.063W	1	
R4774	EXB2HV470JV	RESISTOR ARRAY	1	
R4775	ERJ2GEJ470	M 47 OHM, J,0.063W	1	
R4776	EXB2HV470JV	RESISTOR ARRAY	1	
R4777	ERJ2GEJ470	M 47 OHM, J,0.063W	1	
R4778	EXB2HV470JV	RESISTOR ARRAY	1	
R4779	ERJ2GEJ470	M 47 OHM, J,0.063W	1	
R4782	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4783	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R4784	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4785	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R4788	EXB2HV470JV	RESISTOR ARRAY	1	
R4791,92	ERJ2GEJ470	M 47 OHM, J,0.063W	2	
R4793,94	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R4796	EXB2HV470JV	RESISTOR ARRAY	1	
R4804	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R4805,06	ERJ3EKF1001	M 1KOHM, 1/16W	2	
R4807-11	ERJ2GE0R00	M 0.0 OHM, J,0.063W	5	
R4814	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4816,17	ERJ2GEJ223	M 22KOHM, J,0.063W	2	
R4819	ERJ2GEJ223	M 22KOHM, J,0.063W	1	
R4822	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4823-25	J0JAD0000025	CHIP INDUCTOR	3	
R4826,27	EXB2HVR000	RESISTOR ARRAY	2	TH-37PD60B
R4830,31	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	TH-37PD60B
R4837	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4838	ERJ2GEJ112	M 1.1KOHM, J,0.063W	1	
R4840	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PD60B
R4891	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4898	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4960	EXB2HV680J	RESISTOR ARRAY	1	
R4961-63	ERJ2GEJ680	M 68 OHM, J,0.063W	3	
R4964	EXB2HV680J	RESISTOR ARRAY	1	
R4965,66	ERJ2GEJ680	M 68 OHM, J,0.063W	2	
R4967	EXB2HV680J	RESISTOR ARRAY	1	
R4968-72	ERJ2GEJ680	M 68 OHM, J,0.063W	5	
R5601	ERJ3EKF1800	M 180 OHM, 1/16W	1	
R5603	ERJ3EKF1542	M15.4KOHM, 1/16W	1	
R5605	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R5606	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R5607	ERJ3EKF4531	M4.53KOHM, 1/16W	1	
R5609	ERJ3EKF2000	M 200 OHM, 1/16W	1	
R5611	ERJ6ENF8202	M 82KOHM, 1/10W	1	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R5612	ERJ6ENF1602	M 16KOHM, 1/10W	1	
R5615	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R5617	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R5619	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R5620	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R5621	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R5625-27	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	3	
R5632	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R5633	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R5634	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R5635	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R5637,38	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R5639	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R5640	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R5641	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R5642	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R5643	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R5644	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R5645	ERJ3EKF2201	M 2.2KOHM, 1/16W	1	
R5646	ERJ3EKF4701	M 4.7KOHM, 1/16W	1	
R5647	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R5648	ERJ3GEYJ392	M 3.9KOHM,J,1/16W	1	
R5649	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R5650	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R5652	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R5653,54	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R5659	ERJ3EKF4700	M 470 OHM, 1/16W	1	
R5660	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R5662	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R5664	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R5665	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R5667-69	ERJ3GEYJ473	M 47KOHM,J,1/16W	3	
R5672	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R5676	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R5692	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R5693	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R5694	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R5695	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R6001-06	ERJ14YJ150U	M 15 OHM, J,1/4W	6	
R6020	ERG2FJS101D	M 100 OHM, J, 2W	1	
R6021	ERJ14YJ150U	M 15 OHM, J,1/4W	1	
R6022	ERG2FJS101D	M 100 OHM, J, 2W	1	
R6023-27	ERJ14YJ150U	M 15 OHM, J,1/4W	5	
R6031	ERJ14YJ204	M 200KOHM, J,1/4W	1	
R6041-44	ERJ14YJ150U	M 15 OHM, J,1/4W	4	
R6051,52	ERJ14YJ150U	M 15 OHM, J,1/4W	2	
R6061,62	ERJ6GEYJ224	M 220KOHM,J,1/10W	2	
R6101-04	ERJ6GEYJ101	M 100 OHM,J,1/10W	4	
R6111,12	ERJ6GEYJ470	M 47 OHM,J,1/10W	2	
R6113	ERJ14YJ224	M 220KOHM, J,1/4W	1	
R6131,32	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6133,34	ERJ6GEYJ151	M 150 OHM,J,1/10W	2	
R6135,36	ERJ6GEYJ100	M 10 OHM,J,1/10W	2	
R6141,42	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6146,47	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6151,52	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6153,54	ERJ6GEYJ151	M 150 OHM,J,1/10W	2	

[illegible]	[illegible]	[illegible]	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6155	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6157,58	D0GF1R0JA047	M 1.0 OHM,J, 0.33W	2	
R6160	D0GF1R0JA047	M 1.0 OHM,J, 0.33W	1	
R6166	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6173	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6174	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6191-94	ERJ6GEYJ101	M 100 OHM,J,1/10W	4	
R6195,96	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R6213	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6214	D0GD151JA036	M 150 OHM,J,0.25W	1	
R6218	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6222	ERG1FJS103D	M 10KOHM, J, 1W	1	
R6223	ERG2FJS123D	M 12KOHM, J, 2W	1	
R6225-27	ERJ6ENF2202	M 2.2KOHM, 1/10W	3	
R6232	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6233-35	ERJ6GEYJ273	M 27KOHM,J,1/10W	3	
R6236	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R6241	EXB38V470J	RESISTOR ARRAY	1	
R6242	EXB38V472J	RESISTOR ARRAY	1	
R6243	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6244	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6245	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6246	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6251	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6252,53	ERJ6ENF3902	M 39KOHM, 1/10W	2	
R6254	ERJ6ENF7501	M 7.5KOHM, 1/10W	1	
R6255,56	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	2	
R6257	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6258	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6261	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6401-06	ERJ14YJ150U	M 15 OHM, J,1/4W	6	
R6421-26	ERJ14YJ150U	M 15 OHM, J,1/4W	6	
R6441-44	ERJ14YJ150U	M 15 OHM, J,1/4W	4	
R6451,52	ERJ14YJ150U	M 15 OHM, J,1/4W	2	
R6465	ERJ14YJ204	M 200KOHM, J,1/4W	1	
R6471	ERJ6GEYJ392	M 3.9KOHM,J,1/10W	1	
R6472	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6473	ERJ6GEYJ561	M 560 OHM,J,1/10W	1	
R6474	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6475,76	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	2	
R6477	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6478	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6479	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6501,02	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6503	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6504,05	ERJ6GEYJ151	M 150 OHM,J,1/10W	2	
R6506	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6507,08	D0GF1R0JA047	M 1.0 OHM,J, 0.33W	2	
R6511,12	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6516,17	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6521,22	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6523,24	ERJ6GEYJ151	M 150 OHM,J,1/10W	2	
R6525	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6526	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6533	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6534	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6561-64	EXB38V470J	RESISTOR ARRAY	4	

[illegible]	[illegible]	RESISTOR ARRAY	4	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6565-68	EXB38V472J	RESISTOR ARRAY	4	
R6581	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6582,83	ERJ6ENF3902	M 39KOHM, 1/10W	2	
R6584	ERJ6ENF7501	M 7.5KOHM, 1/10W	1	
R6585,86	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	2	
R6587	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6588	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6590	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R6591	EXB38V472J	RESISTOR ARRAY	1	
R6592	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6603	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6604	D0GD151JA036	M 150 OHM,J,0.25W	1	
R6605	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6606	ERJ6ENF2741	M2.74KOHM, 1/10W	1	
R6608,09	D0GF102JA047	M 1.0 KOHM,J,0.33W	2	
R6610	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6611	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R6612	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6613	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R6620	D0D28R2JA021	M 8.2 OHM,J,5W	1	
R6621,22	ERJ6GEYJ221	M 220 OHM,J,1/10W	2	
R6642-44	ERJ6GEYJ100	M 10 OHM,J,1/10W	3	
R6646-48	ERJ6GEYJ100	M 10 OHM,J,1/10W	3	
R6658	D0D1101JA009	M 100 OHM,J,1W	1	
R6659,60	ERJ6GEYJ224	M 220KOHM,J,1/10W	2	
R6661	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6662	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6663	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6664	D0GF222JA047	M 2.2 KOHM,J,0.33W	1	
R6665	ERJ14YJ470	M 47 OHM,J, 1/2W	1	
R6666	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6667,68	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	2	
R6671	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6672	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6673	D0GD5R6JA059	M 5.6 OHM,J,0.25W	1	
R6681,82	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6683	D0GD151JA036	M 150 OHM,J,0.25W	1	
R6684	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6685	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R6686	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6687	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6688	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6689	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6690	ERJ6GEYJ151	M 150 OHM,J,1/10W	1	
R6691	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6696,97	D0D32R2JA020	M 2.2 OHM,J,5W	2	
R6700-08	ERJ6GEYJ471	M 470 OHM,J,1/10W	9	
R6710-18	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	9	
R6721,22	EXB38V220J	RESISTOR ARRAY	2	
R6723	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6742	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6743	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6744	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6745	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6746,47	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6755	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6756-58	D0GD101JA059	M 100 OHM,J,0.25W	3	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6759	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6760	ERJ6GEYJ122	M 1.2KOHM,J,1/10W	1	
R6761	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6762	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6775,76	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6777	D0GD151JA036	M 150 OHM,J,0.25W	1	
R6781	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6782	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6791	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6792	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6793	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6806	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R6807	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R6808	ERG2FJS330D	M 33 OHM, J, 2W	1	
R6809	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6810,11	ERJ6GEYJ433	M 43KOHM,J,1/10W	2	
R6812	ERJ6ENF2743	M 274KOHM, 1/10W	1	
R6813	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R6814	ERJ6ENF6981	M6.98KOHM, 1/10W	1	
R6815	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6816	ERJ6ENF1432	M14.3KOHM, 1/10W	1	
R6817	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R6821	D0D2221JA021	M 220 OHM,J,2W	1	
R6822,23	ERJ12YJ104U	M 100KOHM, 1/2W	2	
R6824	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R6825	ERJ6ENF2003	M 200KOHM, 1/10W	1	
R6826	ERJ6ENF2703	M 270KOHM, 1/10W	1	
R6827	ERJ6ENF1432	M14.3KOHM, 1/10W	1	
R6828	ERJ6ENF5231	M5.23KOHM, 1/10W	1	
R6829,30	ERJ6GEYJ154	M 150KOHM,J,1/10W	2	
R6831	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6833	ERJ6ENF5602	M 56KOHM, 1/10W	1	
R6834	ERJ6ENF5102	M 51KOHM, 1/10W	1	
R6835	ERJ6ENF5602	M 56KOHM, 1/10W	1	
R6836	ERJ6ENF5102	M 51KOHM, 1/10W	1	
R6837	ERJ6ENF4702	M 47KOHM, 1/10W	1	
R6839	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6841	ERJ12YJ103	M 10KOHM,J, 1/2W	1	
R6842	ERJ14YJ103	M 10KOHM, J,1/4W	1	
R6843	ERJ6GEYJ513	M 51KOHM,J,1/10W	1	
R6844	D0D2101JA021	M 100 OHM,J,2W	1	
R6845	ERJ6GEYJ513	M 51KOHM,J,1/10W	1	
R6846,47	ERJ6GEYJ563	M 56KOHM,J,1/10W	2	
R6848	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6849	ERJ6ENF5902	M 59KOHM, 1/10W	1	
R6850	ERJ6ENF6202	M 62KOHM, 1/10W	1	
R6851	ERJ6ENF1501	M 1.5KOHM, 1/10W	1	
R6852	ERJ6ENF2491	M2.49KOHM, 1/10W	1	
R6853	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6860	D0D28R2JA021	M 8.2 OHM,J,5W	1	
R6861	ERJ6ENF3902	M 39KOHM, 1/10W	1	
R6862,63	ERJ6ENF4702	M 47KOHM, 1/10W	2	
R6864	ERJ6ENF9101	M 9.1KOHM, 1/10W	1	
R6865	ERJ6GEYJ182	M 1.8KOHM,J,1/10W	1	
R6866	ERJ6ENF1501	M 1.5KOHM, 1/10W	1	
R6867	ERJ6GEYJ392	M 3.9KOHM,J,1/10W	1	
R6868	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6869	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6871-73	ERJ6ENF3902	M 39KOHM, 1/10W	3	
R6874	ERJ6ENF9101	M 9.1KOHM, 1/10W	1	
R6875	ERJ6ENF3301	M 3.3KOHM, 1/10W	1	
R6876	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6877	ERJ6GEYJ392	M 3.9KOHM,J,1/10W	1	
R6878	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R6879	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6886-88	ERJ6GEYJ224	M 220KOHM,J,1/10W	3	
R6901	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6902-04	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R6908,09	ERJ6GEYJ221	M 220 OHM,J,1/10W	2	
R6916	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R6921,22	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R6923	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6931-34	ERJ6GEYJ103	M 10KOHM,J,1/10W	4	
R6935,36	ERJ8GEYJ224	M 220KOHM, J,1/8W	2	
R6951	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6952-54	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R6958,59	ERJ6GEYJ221	M 220 OHM,J,1/10W	2	
R6966	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R6981-84	ERJ6GEYJ103	M 10KOHM,J,1/10W	4	
R6985,86	ERJ8GEYJ224	M 220KOHM, J,1/8W	2	
R7111	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R7112,13	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R7114	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R7115	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R7116,17	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R7118	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R7120-24	EXB38V470J	RESISTOR ARRAY	5	
R7127	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7129-32	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7133	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7136	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7138-41	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7142	EXB38V102J	RESISTOR ARRAY	1	
R7143	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7146	EXB38V470J	RESISTOR ARRAY	1	
R7147-52	EXB38V102J	RESISTOR ARRAY	6	
R7154	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7156-59	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7160	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7163-65	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R7169	EXB38V470J	RESISTOR ARRAY	1	
R7201-07	EXB38V470J	RESISTOR ARRAY	7	
R7208-10	ERJ3GEYJ470	M 47 OHM,J,1/16W	3	
R7212-15	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7216	EXB38V470J	RESISTOR ARRAY	1	
R7217	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7219	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R7221	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7223-26	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7227	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7229	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7231	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7232-35	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7236	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R7237-42	EXB38V102J	RESISTOR ARRAY	6	
R7245	EXB38V102J	RESISTOR ARRAY	1	
R7246-49	ERJ3GEYJ220	M 22 OHM,J,1/16W	4	
R7250,51	EXB38V470J	RESISTOR ARRAY	2	
R7255,56	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R7257	EXB38V102J	RESISTOR ARRAY	1	
R7259	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7261-64	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7265	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7268	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R7269	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R7270	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R8001	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-37PD60B
R8002	ERJ2GEJ272	M 2.7KOHM, J,0.063W	1	TH-37PD60B
R8003,04	ERJ2GEJ181	M 180 OHM, J,0.063W	2	TH-37PD60B
R8006	ERJ8GEY0R00	M 0 OHM, 1/8W	1	TH-37PD60B
R8008	ERJ2GEJ102	M 1KOHM, J,0.063W	1	TH-37PD60B
R8010-12	ERJ2GEJ103	M 10KOHM, J,0.063W	3	TH-37PD60B
R8014,15	ERJ2GEJ103	M 10KOHM, J,0.063W	2	TH-37PD60B
R8017,18	ERJ3GEY0R00	M 0 OHM, 1/16W	2	TH-37PD60B
R8020-22	ERJ2GEJ103	M 10KOHM, J,0.063W	3	TH-37PD60B
R8027	D1HG5608A002	NETWORK RESISTER	1	TH-37PD60B
R8028-30	ERJ2GEJ560	M 56 OHM, J,0.063W	3	TH-37PD60B
R8033	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	TH-37PD60B
R8034,35	ERJ3GEY0R00	M 0 OHM, 1/16W	2	TH-37PD60B
R8036	ERJ3GEYJ163	M 16KOHM,J,1/16W	1	TH-37PD60B
R8038	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-37PD60B
R8039,40	ERJ2GEJ472	M 4.7KOHM, J,0.063W	2	TH-37PD60B
R8041	ERJ2GEJ154	M 150KOHM, J,0.063W	1	TH-37PD60B
R8046	ERJ2GEJ330	M 33 OHM, J,0.063W	1	TH-37PD60B
R8047-50	ERJ2GEJ101	M 100 OHM, J,0.063W	4	TH-37PD60B
R8051	EXB38V330J	RESISTOR ARRAY	1	TH-37PD60B
R8052-55	ERJ2GEJ103	M 10KOHM, J,0.063W	4	TH-37PD60B
R8056	ERJ2GEJ330	M 33 OHM, J,0.063W	1	TH-37PD60B
R8057	ERJ2GEJ680	M 68 OHM, J,0.063W	1	TH-37PD60B
R8058	EXB38V330J	RESISTOR ARRAY	1	TH-37PD60B
R8059	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-37PD60B
R8073	ERJ2GEJ105	M 1MOHM, J,0.063W	1	TH-37PD60B
R8074,75	ERJ2GEJ181	M 180 OHM, J,0.063W	2	TH-37PD60B
R8076	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-37PD60B
R8078	ERJ2GEJ562	M 5.6KOHM,J,0.063W	1	TH-37PD60B
R8079	ERJ2GEJ473	M 47KOHM,J,0.063W	1	TH-37PD60B
R8084,85	D1HG1218A002	NETWORK RESISTER	2	TH-37PD60B
R8086-88	ERJ2GEJ560	M 56 OHM, J,0.063W	3	TH-37PD60B
R8101	ERJ3GEYF181	M 180 OHM,J,1/16W	1	TH-37PD60B PAVCCZ
R8104	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-37PD60B
R8106,07	ERJ2GEJ103	M 10KOHM, J,0.063W	2	TH-37PD60B
R8108	ERJ3EKF1002	M 10KOHM, 1/16W	1	TH-37PD60B
R8109	ERJ3EKF2202	M 22KOHM, 1/16W	1	TH-37PD60B
R8110	ERJ3EKF1501	M 1.5KOHM, 1/16W	1	TH-37PD60B
R8111	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PD60B
R8112,13	ERJ3GEY0R00	M 0 OHM, 1/16W	2	TH-37PD60B
R8115	ERJ3GEYF272	M 2.7KOHM, 1/16W	1	TH-37PD60B
R8117	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	TH-37PD60B
R8123	ERJ3GEY0R00	M 0 OHM, 1/16W	1	TH-37PD60B
R8124	ERJ2GEJ471	M 470 OHM, J,0.063W	1	TH-37PD60B
R8127	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PD60B

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Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R8132,33	ERJ2GEJ560	M 56 OHM, J,0.063W	2	TH-37PD60B
R8136	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-37PD60B
R8137	ERJ2GEJ121	M 120 OHM, J,0.063W	1	TH-37PD60B
R8140,41	ERJ3EKF1001	M 1KOHM, 1/16W	2	TH-37PD60B
R8144,45	D1HG5608A002	NETWORK RESISTER	2	TH-37PD60B
R8148,49	D1HG3908A002	NETWORK RESISTER	2	TH-37PD60B
R8150-59	ERJ2GEJ390	M 39 OHM, J,0.063W	10	TH-37PD60B
R8161,62	ERJ2GEJ390	M 39 OHM, J,0.063W	2	TH-37PD60B
R8163	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-37PD60B
R8165	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-37PD60B
R8167-71	ERJ2GEJ103	M 10KOHM, J,0.063W	5	TH-37PD60B
R8172	ERJ2GEJ473	M 47KOHM,J,0.063W	1	TH-37PD60B
R8173	EXB38V560J	RESISTOR ARRAY	1	TH-37PD60B
R8175,76	ERJ2GEJ103	M 10KOHM, J,0.063W	2	TH-37PD60B
R8183	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PD60B
R8184	ERJ2GEJ223	M 22KOHM, J,0.063W	1	TH-37PD60B
R8187	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-37PD60B
R8188	ERJ3GEY0R00	M 0 OHM, 1/16W	1	TH-37PD60B
R8193	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-37PD60B
R8195,96	ERJ2GEJ103	M 10KOHM, J,0.063W	2	TH-37PD60B
R8201-04	ERJ2GEJ103	M 10KOHM, J,0.063W	4	TH-37PD60B
R8215	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-37PD60B
R8216,17	ERJ2GEJ560	M 56 OHM, J,0.063W	2	TH-37PD60B
R8218,19	D1HG33080001	NETWORK RESISTER	2	TH-37PD60B
R8220-22	D1HG5608A002	NETWORK RESISTER	3	TH-37PD60B
R8223	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-37PD60B
R8224,25	ERJ2GEJ103	M 10KOHM, J,0.063W	2	TH-37PD60B
R8226	ERJ2GEJ330	M 33 OHM, J,0.063W	1	TH-37PD60B
R8232-43	ERJ2GEJ330	M 33 OHM, J,0.063W	12	TH-37PD60B
R8244	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-37PD60B
R8245,46	ERJ2GEJ330	M 33 OHM, J,0.063W	2	TH-37PD60B
R8250	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-37PD60B
R8252-54	ERJ2GEJ330	M 33 OHM, J,0.063W	3	TH-37PD60B
R8255	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-37PD60B
R8256	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	TH-37PD60B
R8257	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-37PD60B
R8259	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-37PD60B
R8260-63	ERJ2GEJ560	M 56 OHM, J,0.063W	4	TH-37PD60B
R8264-68	ERJ2GEJ103	M 10KOHM, J,0.063W	5	TH-37PD60B
R8269	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-37PD60B
R8271	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-37PD60B
R8272	EXB38V560J	RESISTOR ARRAY	1	TH-37PD60B
R8273	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-37PD60B
R8275	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-37PD60B
R8277	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-37PD60B
R8279	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PD60B
R8282	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-37PD60B
R8284	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-37PD60B
R8286,87	ERJ2GEJ560	M 56 OHM, J,0.063W	2	TH-37PD60B
R8290	EXB38V560J	RESISTOR ARRAY	1	TH-37PD60B
R8291,92	ERJ2GEJ560	M 56 OHM, J,0.063W	2	TH-37PD60B
R8310-15	ERJ3EKF75R0	M 0.75HM, 1/16W	6	TH-37PD60B
R8319	ERJ3EKF2702V	M27.0KOHM, 1/16W	1	TH-37PD60B
R8320	ERJ3EKF1002	M 10KOHM, 1/16W	1	TH-37PD60B
R8321	ERJ3EKF8201	M 8.2KOHM, 1/16W	1	TH-37PD60B
R8349	ERJ2GEJ104	M 100KOHM, J,0.063W	1	TH-37PD60B
R8350	ERJ3EKF8201	M 8.2KOHM, 1/16W	1	TH-37PD60B

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Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R8351	ERJ3EKF1002	M 10KOHM, 1/16W	1	TH-37PD60B
R8352	ERJ3EKF2702V	M27.0KOHM, 1/16W	1	TH-37PD60B
R8353	ERJ2GEJ332	M 3.3KOHM, J,0.063W	1	TH-37PD60B
R8354	ERJ2GEJ272	M 2.7KOHM, J,0.063W	1	TH-37PD60B
R8355,56	EXB2HV104JV	RESISTOR ARRAY	2	TH-37PD60B
R8357,58	ERJ2GEJ473	M 47KOHM,J,0.063W	2	TH-37PD60B
R8366	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-37PD60B
R8367,68	ERJ2GEJ560	M 56 OHM, J,0.063W	2	TH-37PD60B
R8372-76	ERJ2GEJ560	M 56 OHM, J,0.063W	5	TH-37PD60B
R8401	ERJ8GEY0R00	M 0 OHM, 1/8W	1	TH-37PD60B
R8402	ERJ6GEY0R00	M 0 OHM, 1/10W	1	TH-37PD60B
R8403	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PD60B
R8404,05	ERJ2GEJ103	M 10KOHM, J,0.063W	2	TH-37PD60B
R8406	ERJ8RSJR10	M 1 OHM, 1/8W	1	TH-37PD60B
R8407	ERJ2GEJ333	M 33KOHM, J,0.063W	1	TH-37PD60B
R8414	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PD60B
R8415,16	ERJ2GEJ223	M 22KOHM, J,0.063W	2	TH-37PD60B
R8417,18	EXB38V473J	RESISTOR ARRAY	2	TH-37PD60B
R8419,20	EXB38V101J	RESISTOR ARRAY	2	TH-37PD60B
R8421	ERJ2GEJ223	M 22KOHM, J,0.063W	1	TH-37PD60B
R8422	ERJ2GEJ104	M 100KOHM, J,0.063W	1	TH-37PD60B
R8423	ERJ2GEJ821	M 820 OHM, J,0.063W	1	TH-37PD60B
R8425,26	EXB38V101J	RESISTOR ARRAY	2	TH-37PD60B
R8427-31	ERJ2GEJ560	M 56 OHM, J,0.063W	5	TH-37PD60B
R8433,34	EXB38V560J	RESISTOR ARRAY	2	TH-37PD60B
R8443	EXB38V560J	RESISTOR ARRAY	1	TH-37PD60B
R8444	ERJ2GEJ101	M 100 OHM, J,0.063W	1	TH-37PD60B
R8445,46	ERJ2GEJ151	M 150 OHM, J,0.063W	2	TH-37PD60B
R8447	ERJ2GEJ223	M 22KOHM, J,0.063W	1	TH-37PD60B
R8448	ERJ2GEJ473	M 47KOHM,J,0.063W	1	TH-37PD60B
R8449,50	ERJ2GEJ103	M 10KOHM, J,0.063W	2	TH-37PD60B
R8451	EXB38V104J	RESISTOR ARRAY	1	TH-37PD60B
R8452	ERJ2GEJ104	M 100KOHM, J,0.063W	1	TH-37PD60B
R8453	EXB38V104J	RESISTOR ARRAY	1	TH-37PD60B
R8454	ERJ2GEJ104	M 100KOHM, J,0.063W	1	TH-37PD60B
R8456-59	EXB38V560J	RESISTOR ARRAY	4	TH-37PD60B
R8460	ERJ2GEJ104	M 100KOHM, J,0.063W	1	TH-37PD60B
R8461	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-37PD60B
R8462,63	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	TH-37PD60B
R8464	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-37PD60B
R8465	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-37PD60B
R8466	EXB38V560J	RESISTOR ARRAY	1	TH-37PD60B
R8467,68	ERJ2GEJ560	M 56 OHM, J,0.063W	2	TH-37PD60B
R8469	EXB38V151J	RESISTOR ARRAY	1	TH-37PD60B
R8474	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PD60B
R8475,76	ERJ2GEJ103	M 10KOHM, J,0.063W	2	TH-37PD60B
R8477,78	ERJ2GEJ560	M 56 OHM, J,0.063W	2	TH-37PD60B
R8479	ERJ2GEJ203	M 20KOHM,J,0.063W	1	TH-37PD60B
R8480-82	ERJ2GEJ560	M 56 OHM, J,0.063W	3	TH-37PD60B
R8483	ERJ2GEJ203	M 20KOHM,J,0.063W	1	TH-37PD60B
R8484	ERJ2GEJ223	M 22KOHM, J,0.063W	1	TH-37PD60B
R8485	ERJ2GEJ333	M 33KOHM, J,0.063W	1	TH-37PD60B
R8486	ERJ2GEJ223	M 22KOHM, J,0.063W	1	TH-37PD60B
R8487	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-37PD60B
R8488	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PD60B
R8489	ERJ2GEJ102	M 1KOHM, J,0.063W	1	TH-37PD60B
R8491	ERJ3EKF9102	M91.0KOHM, 1/16W	1	TH-37PD60B

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Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R8492	ERJ3EKF1802	M 18KOHM, 1/16W	1	TH-37PD60B
R8493	ERJ3EKF9102	M91.0KOHM, 1/16W	1	TH-37PD60B
R8494	ERJ3EKF9101	M 9.1KOHM, 1/16W	1	TH-37PD60B
R8495	EXB38V151J	RESISTOR ARRAY	1	TH-37PD60B
R8496	EXB38V560J	RESISTOR ARRAY	1	TH-37PD60B
R8497	ERJ3EKF3300	M 330 OHM, 1/16W	1	TH-37PD60B
R8498	ERJ3EKF2200	M 220 OHM, 1/16W	1	TH-37PD60B
R8499	ERJ3EKF2432	M24.3KOHM, 1/16W	1	TH-37PD60B
R8500	ERJ3EKF1052	M10.5KOHM, 1/16W	1	TH-37PD60B
R8501	ERJ3EKF5601	M 5.6KOHM, 1/16W	1	TH-37PD60B
R8502	ERJ3EKF2402	M 24KOHM, 1/16W	1	TH-37PD60B
R8503,04	ERJ2GEJ103	M 10KOHM, J,0.063W	2	TH-37PD60B
R8505	ERJ2GEJ101	M 100 OHM, J,0.063W	1	TH-37PD60B
R8538,39	ERJ2GEJ101	M 100 OHM, J,0.063W	2	TH-37PD60B
R8546	ERJ2GEJ333	M 33KOHM, J,0.063W	1	TH-37PD60B
R8547	ERJ2GEJ102	M 1KOHM, J,0.063W	1	TH-37PD60B
R8601	ERJ3GEY0R00	M 0 OHM, 1/16W	1	TH-37PD60B
R8602-04	ERJ2GEJ101	M 100 OHM, J,0.063W	3	TH-37PD60B
R8605,06	ERJ2GEJ104	M 100KOHM, J,0.063W	2	TH-37PD60B
R8608	ERJ2GEJ105	M 1MOHM, J,0.063W	1	TH-37PD60B
R8610	ERJ2GEJ332	M 3.3KOHM, J,0.063W	1	TH-37PD60B
R8611	ERJ6GEY0R00	M 0 OHM, 1/10W	1	TH-37PD60B
R8614	ERJ2GEJ221	M 220 OHM, J,0.063W	1	TH-37PD60B
R8615	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PD60B
R8701-08	ERJ2GEJ560	M 56 OHM, J,0.063W	8	TH-37PD60B
R8729-36	ERJ2GEJ103	M 10KOHM, J,0.063W	8	TH-37PD60B
R8827,28	ERJ2GEJ392	M 3.9KOHM, J,0.063W	2	TH-37PD60B
R8831,32	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	TH-37PD60B
R8862-64	ERJ2GE0R00	M 0.0 OHM, J,0.063W	3	TH-37PD60B
R8899,00	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	TH-37PD60B
R8912	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PD60B
R8927	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PD60B
R8930	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PD60B
R8931,32	ERJ2GEJ392	M 3.9KOHM, J,0.063W	2	TH-37PD60B
R8933,34	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	TH-37PD60B
R8936	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-37PD60B
R8954	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-37PD60B
R8960	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-37PD60B
R8962-64	ERJ2GEJ101	M 100 OHM, J,0.063W	3	TH-37PD60B
R8967,68	EXB2HV473JV	RESISTOR ARRAY	2	TH-37PD60B PAVCCZ
R8969-71	ERJ2GEJ473	M 47KOHM,J,0.063W	3	TH-37PD60B
R9060-67	ERJ3GEYJ101	M 100 OHM,J,1/16W	8	
R9074	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9076	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9097,98	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9099	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9100,01	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9102	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9105	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9106	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9107	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R9108,09	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9110,11	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R9113	ERJ3GEYJ100	M 10 OHM,J,1/16W	1	
R9120	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9121	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9127	ERJ3GEYJ683	M 68KOHM,J,1/16W	1	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9129	ERJ3GEYJ683	M 68KOHM,J,1/16W	1	
R9131-33	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	3	
R9134	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R9140	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9141-45	ERJ3GEYJ101	M 100 OHM,J,1/16W	5	
R9148	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9149	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9150,51	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9152,53	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R9154,55	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	2	
R9156-59	ERJ3GEYJ103	M 10KOHM,J,1/16W	4	
R9160,61	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9164-66	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9167,68	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R9169	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9170-72	ERJ3GEYJ393	M 39KOHM,J,1/16W	3	
R9173-75	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9178	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9179	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9180	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9181-84	ERJ3GEYJ101	M 100 OHM,J,1/16W	4	
R9185,86	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9187,88	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	2	
R9189,90	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9192	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9193	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9194	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9196	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9199	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9203	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9205	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9206,07	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R9215	ERJ3GEYJ123	M 12KOHM,J,1/16W	1	
R9217-22	ERJ3GEYJ103	M 10KOHM,J,1/16W	6	
R9223	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9225	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9236	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9237	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9240	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9317	ERJ3GEYJ391	M 390 OHM,J,1/16W	1	
R9348	D1HG8208A002	NETWORK RESISTER	1	
R9349	EXB38V820J	RESISTOR ARRAY	1	
R9350,51	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9352	EXB38V820J	RESISTOR ARRAY	1	
R9353,54	D1HG8208A002	NETWORK RESISTER	2	
R9355,56	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R9357-59	D1HG8208A002	NETWORK RESISTER	3	
R9360	EXB38V820J	RESISTOR ARRAY	1	
R9361,62	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9363	EXB2HV470JV	RESISTOR ARRAY	1	
R9366	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9367	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9368	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9369	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9370	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9371	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9379	ERJ3GEY0R00	M 0 OHM, 1/16W	1	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9380	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R9382	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9390	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9391	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9394	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9395	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9501,02	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9503	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R9506	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9507	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9511-13	ERJ3GEYJ470	M 47 OHM,J,1/16W	3	
R9516	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9518	ERJ3GEYJ561	M 560 OHM,J,1/16W	1	
R9522-25	ERJ3GEYJ103	M 10KOHM,J,1/16W	4	
R9527,28	EXB2HV272JV	RESISTOR ARRAY	2	
R9529,30	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9531-33	ERJ3GEYJ470	M 47 OHM,J,1/16W	3	
R9534	EXB38V470J	RESISTOR ARRAY	1	
R9535,36	ERJ3GEYJ470	M 47 OHM,J,1/16W	2	
R9537	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9540	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9543,44	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9545	ERJ3GEYJ304V	M 300KOHM,J,1/16W	1	
R9548-50	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9552	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9555	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9800	ERJ3EKF1302	M 23KOHM, 1/16W	1	
R9801	ERJ3EKF2402	M 24KOHM, 1/16W	1	
R9802	ERJ3EKF6202	M 62KOHM, 1/16W	1	
R9803	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9804	ERJ3EKF2402	M 24KOHM, 1/16W	1	
R9805	ERJ3EKF3002	M 30KOHM, 1/16W	1	
R9806	ERJ3EKF3902	M 39KOHM, 1/16W	1	
R9807	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9808	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9810	ERJ3EKF3001	M 3KOHM, 1/16W	1	
R9813	ERJ3EKF2401	M 2.4KOHM, 1/16W	1	
R9814	ERJ3EKF6802	M 68KOHM, 1/16W	1	
R9815	ERJ3EKF2202	M 22KOHM, 1/16W	1	
R9816	ERJ3EKF8202	M 82KOHM, 1/16W	1	
R9821	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9823-27	ERJ3GEYJ101	M 100 OHM,J,1/16W	5	
R9828	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9830,31	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9838,39	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R9840	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9842-44	ERJ3GEYJ101	M 100 OHM,J,1/16W	3	
R9845	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R9846,47	EXB2HV272JV	RESISTOR ARRAY	2	
R9848,49	EXB2HV470JV	RESISTOR ARRAY	2	
R9850	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R9854	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9859	EXB38V101J	RESISTOR ARRAY	1	
R9861-63	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9864,65	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R9868	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9869-71	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9872	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9878	ERJ3EKF3902	M 39KOHM, 1/16W	1	
R9879	ERJ3EKF2002	M 20KOHM, 1/16W	1	
R9880	ERJ3EKF3602	M 36KOHM, 1/16W	1	
R9883	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9884	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9891	ERJ3EKF4702	M 47KOHM, 1/16W	1	
R9892	ERJ3EKF1502	M 15KOHM, 1/16W	1	
R9893	ERJ3EKF3602	M 36KOHM, 1/16W	1	
R9896	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9897	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9903	EXB2HV470JV	RESISTOR ARRAY	1	
R9904	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R9905	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9906	EXB38V470J	RESISTOR ARRAY	1	
R9907	ERJ3GEYJ151	M 150 OHM,J,1/16W	1	
R9917,18	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9919,20	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9922	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9929	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9936-39	ERJ3EKF1001	M 1KOHM, 1/16W	4	
R9940	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9941,42	ERJ3GEYJ470	M 47 OHM,J,1/16W	2	
R9943-51	EXB38V470J	RESISTOR ARRAY	9	
R9952-55	ERJ3GEYJ470	M 47 OHM,J,1/16W	4	
R9956	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
RM2510	PNA4701M05TV	REMOCO RECEIVER	1	
RTL	TNPA3740AN	CIRCUIT BOARD XV	1	TH-37PD60B PAVCCZ
RTL	TNPA3756CC	CIRCUIT BOARD DG	1	TH-37PA60E PAVCCZ
RTL	TNPA3756CJ	CIRCUIT BOARD DG	1	TH-37PD60B PAVCCZ
RTL	TNPA3759AC	CIRCUIT BOARD H	1	PAVCCZ
RTL	TNPA3766	CIRCUIT BOARD HC	1	PAVCCZ
RTL	TNPA3767	CIRCUIT BOARD TA	1	TH-37PA60E PAVCCZ
RTL	TNPA3767AB	CIRCUIT BOARD TA	1	TH-37PD60B PAVCCZ
RTL	TNPA3761AH	CIRCUIT BOARD PA	1	
RTL	TNPA3792AB	CIRCUIT BOARD C1	1	
RTL	TNPA3793AB	CIRCUIT BOARD C2	1	
RTL	TZTNP01BMTB	CIRCUIT BOARD D	1	PAVCCZ
RTL	TNPA3912AB	CIRCUIT BOARD P	1	
RTL	TNPA3794AE	CIRCUIT BOARD SC	1	
RTL	TNPA3797AB	CIRCUIT BOARD SD	1	
RTL	TNPA3795AE	CIRCUIT BOARD SS	1	
RTL	TNPA3796AB	CIRCUIT BOARD SU	1	
RTL	TNPA3603AF	CIRCUIT BOARD K	1	TH-37PA60E PAVCCZ
RTL	TNPA3603AG	CIRCUIT BOARD K	1	TH-37PD60B PAVCCZ
RTL	TNPA3604AD	CIRCUIT BOARD S	1	
S1	K1KA03AA0193	3P CONNECTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
SC2	K1KA02A00626	2P CONNECTOR	1	
SC20	K1KA20AA0008	20P CONNECTOR	1	
SC23	K1KA03AA0193	3P CONNECTOR	1	
SC30	K1KA08AA0192	8P CONNECTOR	1	
SC41,42	K1ML80B00001	80P CONNECTOR	2	
SC45,46	K1KA09A00239	9P CONNECTOR	2	
SD1-D3	K1MN80B00012	80P CONNECTOR	3	
SD46	K1KB09A00045	9P CONNECTOR	1	
SS11	K1KA02A00626	2P CONNECTOR	1	
SS12	K1KA10AA0194	10P CONNECTOR	1	
SS23	K1KA12AA0194	12P CONNECTOR	1	
SS34	K1KA03AA0193	3P CONNECTOR	1	
SS41A-4A	K1MN13B00020	13P CONNECTOR	4	
SSMM1	TMME260	CLAMPER	1	
SU1-U3	K1MN80B00012	80P CONNECTOR	3	
SU45	K1KB09A00045	9P CONNECTOR	1	
SW2500	K0F162B00002	SWITCH	1	
SW3751-55	EVQ11G05R	SWITCH	5	
T6602	ETS22AE2G9AD	SWITCHING TRANS	1	
TA5	K1KB15B00013	15P CONNECTOR	1	
TA6	K1KB09B00019	9P CONNECTOR	1	
TU001	ENG37A12GF	TUNER	1	TH-37PA60E
TU001	ENGF7301GF	TUNER	1	TH-37PD60B PAVCCZ
TU8001	ENV57M01D8F	TUNER	1	TH-37PD60B PAVCCZ
VR6000	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
VR6600	EVMEASA00B23	CONTROL 2KOHMB 0.3W	1	
VR6602	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
X1100	H0J100500030	CRYSTAL	1	
X1101	H0J327200114	CRYSTAL	1	
X2101	H0J184500027	CRYSTAL	1	
X4004	H0J270500087	CRYSTAL	1	
X8003	H0J241500003	CRYSTAL	1	TH-37PD60B PAVCCZ
X8006	H0J270500090	CRYSTAL	1	TH-37PD60B PAVCCZ
X9000	H2D200500011	CRYSTAL	1	
X9200	H0J200500038	CRYSTAL	1	
XV01	K1KAB0A00011	CONNECTOR	1	TH-37PD60B
ZA2101-08	TESA169	SHIELD CLIP	8	
ZA2300,01	K4CZ01000027	COMPATIBLE WITH JALCO K9	2	
ZA3401-05	K4CZ01000027	COMPATIBLE WITH JALCO K9	5	
ZA4001,02	K4CD08000002	TERMINAL	2	
ZA6001-03	K4CD01000011	TERMINAL	3	
ZA6401-03	K4CD01000011	TERMINAL	3	
ZA7101-03	K4CD01000013	TERMINAL	3	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
ZA7201-04	K4CD01000013	TERMINAL	4	
ZA9001	K4CD01000011	TERMINAL	1	
C402	F1J1C1050011	C 1UF, Z, 50V	1	
C404	F0CAF105A021	C 1UF, 250V	1	
C407	EEUEB2W220B	E 22UF, 450V	1	
C408	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C409	F0CAF105A021	C 1UF, 250V	1	
C410	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C413	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C414	ECQU2A473ML	P 0.047UF, M,250V	1	
C421	F1J1C1050011	C 1UF, Z, 50V	1	
C422	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C423	ECJ2XB1H472K	C 4700PF, K, 50V	1	
C425	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C426	ECJ2XC1H471J	C 470PF, J, 50V	1	
C427	F1J1C1050011	C 1UF, Z, 50V	1	
C428	ECJ2XC1H221J	C 220PF, J, 50V	1	
C429	F1E2J4730001	C 0.047PF, , 600V	1	
C431	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C432	F1J1C1050011	C 1UF, Z, 50V	1	
C433	ECJ3XB1E104K	C 0.1UF, K, 25V	1	
C434	F1J1C1050011	C 1UF, Z, 50V	1	
C436	F1J1C1050011	C 1UF, Z, 50V	1	
C440	ECA1HM100	E 10UF, 50V	2	
C443,44	F1A3A102A040	C 1000PF, J, 1KV	2	
C445	F1J1C1050011	C 1UF, Z, 50V	1	
C446,47	F2B2W2010002	C 200UF, 450V	2	
C450	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C451	F1A3A101A040	C 100PF, J, 1KV	1	
C457	ECWH12333RHV	P 0.013UF,J,1.2KV	1	
C460,61	F1A3A331A039	E 330UF, 1KV	2	
C462	ECJ3YB1E105K	C 1UF, K, 25V	1	
C463	ECJ2XC1H220J	C 22UF, J, 50V	1	
C467	ECKCNA221KB7	C 220PF, M,	1	
C468	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C469	ECKCNA221KB7	C 220PF, M,	1	
C470	F0CAF105A021	C 1UF, 250V	1	
C473,74	ECKCNA101KB7	C 100PF	2	
C476	ECKCNA101KB7	C 100PF	1	
C478	ECKCNA101KB7	C 100PF	1	
C493	ECA1HM470	E 47UF, 50V	1	
C494	F2A2E1R00008	E 1.0UF, 250V	1	
C497	ECA1HM470	E 47UF, 50V	1	
C501,02	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C503	ECJ2XC1H471J	C 470PF, J, 50V	1	
C504	F1J1C1050011	C 1UF, Z, 50V	1	
C505	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C506,07	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C508	ECJ2XC1H471J	C 470PF, J, 50V	1	
C509	ECA1EHG101	E 100UF, 25V	1	
C510	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C511	ECJ2XB1H102K	C 1000PF, K, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C512-14	ECJ2XC1H471J	C 470PF, J, 50V	3	
C515	F2A1A1220011	E 1200UF, 10V	1	
C516	ECJ2XB1C474K	C 0.47UF, Z, 16V	1	
C517	F2A1E221A096	E 220UF, 25V	1	
C518	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C519	F1J1C1050011	C 1UF, Z, 50V	1	
C523	ECJ3YB1E105K	C 1UF, K, 25V	1	
C526	ECJ2XB1H223K	C 0.022UF, K, 50V	1	
C527	ECJ3YB1E475K	C 4.7UF, K, 25V	1	
C528,29	F1J1C1050011	C 1UF, Z, 50V	2	
C530	ECJ2VB1H333K	C 0.033UF, K, 50V	1	
C531	ECJ3YB1E105K	C 1UF, K, 25V	1	
C533	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C534	ECJ2XC1H471J	C 470PF, J, 50V	1	
C546,47	ECJ2XB1H102K	C 1000PF, K, 50V	2	
C550	ECJ2XC1H331J	C 330PF, J, 50V	1	
C551,52	ECJ2XB1H104K	C 0.1UF, K, 50V	2	
C554	F1J1C1050011	C 1UF, Z, 50V	1	
C555	F2A2C101A120	E 1000UF, 160V	1	
C556,57	EEUFC1E152	E 1500UF, 25V	2	
C558	F2A1E471A096	E 470UF, 25V	1	
C559	F2A1A1220011	E 1200UF, 10V	1	
C562	ECJ2XB1H223K	C 0.022UF, K, 50V	1	
C571	ECJ2XC1H330J	C 33PF, J, 50V	1	
C574	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C577	F2A2A330A022	E 33UF, 100V	1	
C581	ECJ2XB1H223K	C 0.022UF, K, 50V	1	
C583	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C584,85	ECJ2XB1H223K	C 0.022UF, K, 50V	2	
C587	ECJ2XB1H332K	C 3300PF, K, 50V	1	
C601	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C603	ECJ2FB1E105K	C 1UF, K, 25V	1	
C604,05	F2A2D1510008	E 150UF, 200V	2	
C607	F1J1C1050011	C 1UF, Z, 50V	1	
C608	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C610	F1J1C1050011	C 1UF, Z, 50V	1	
C611	F2B2D1720006	E 1700UF,@ 200V	1	
C612,13	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C615	F2B2D1720006	E 1700UF,@ 200V	1	
C616	F1A3A102A040	C 1000PF, J, 1KV	1	
C619	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C620	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C623	ECA1HM100	E 10UF, 50V	1	
C624	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C625	ECA1HM100	E 10UF, 50V	1	
C626	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C627	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C629-31	ECJ2XB1H103K	C 0.01UF, K, 50V	3	
C632	ECJ2XC1H331J	C 330PF, J, 50V	1	
C634	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C635	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C638,39	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C640	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C641	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C643	ECA1HM470	E 47UF, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C650	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C653	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C654	ECJ3YB1E105K	C 1UF, K, 25V	1	
C655,56	ECJ3YB1E225K	C 2.2UF, K, 25V	2	
C657	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C658	ECJ3YB1E105K	C 1UF, K, 25V	1	
C659	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C660	ECJ2FB1C225K	C 22UF, K, 16V	1	
C661,62	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
D401	B0FBAT000006	DIODE	1	
D404	B0EBKT000007	DIODE	1	
D407	MA111	DIODE	1	
D411	B0BB17000009	DIODE	1	
D412	B0HAMM000122	DIODE	1	
D415	B0JAME000099	DIODE	1	
D416	B0HAMP000067	DIODE	1	
D417	B0HAPR000013	DIODE	1	
D418	B0BC8R100013	DIODE	1	
D419	B0HAPR000013	DIODE	1	
D423	MA188	DIODE	1	
D425	MA188	DIODE	1	
D429	ERA15-10	DIODE	1	
D430	MA111	DIODE	1	
D431,32	B0JCDD000002	DIODE	2	
D433	B0BC01400033	DIODE	1	
D435	ERA15-10	DIODE	1	
D436-38	MA4200M	ZENER DIODE	3	
D441	B0HAMM000122	DIODE	1	
D444	B0HAMM000122	DIODE	1	
D445	MA4360H	ZENER DIODE	1	
D501	B0HAPR000012	DIODE	1	
D503,04	MA165	DIODE	2	
D505	B0JAME000099	DIODE	1	
D506	MAZ80470LL	ZENER DIODE	1	
D507,08	B0BC7R400023	DIODE	2	
D509	B0JANG000018	DIODE	1	
D511	B0JAML000011	DIODE	1	
D512,13	MA111	DIODE	2	
D514	B0BC6R100025	DIODE	1	
D515	B0BC3R200008	DIODE	1	
D516-18	MA4330M	ZENER DIODE	3	
D520	MA111	DIODE	1	
D521	B0JAME000099	DIODE	1	
D528,29	MA153	DIODE	2	
D530	B0BC9R900013	DIODE	1	
D531	B0HBSN000013	DIODE	1	
D535	MA188	DIODE	1	
D536	B0JBSG000026	DIODE	1	
D538	B0BC5R100039	DIODE	1	
D539,40	B0AARR000010	DIODE	2	
D542	MA4200M	ZENER DIODE	1	
D543	B0BC01400033	DIODE	1	
D544,45	MA4200M	ZENER DIODE	2	
D549	B0BC02500008	DIODE	1	
D551	B0BC01300033	DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D555	B0BC7R400023	DIODE	1	
D559	B0BC7R400023	DIODE	1	
D563	B0BC6R100025	DIODE	1	
D569-72	B0BC02500008	DIODE	4	
D574	MA165	DIODE	1	
D575	MA188	DIODE	1	
D579	MA165	DIODE	1	
D582	MAZ705600F	ZENER DIODE	1	
D585	B0BC7R400023	DIODE	1	
D586	B0HAMP000067	DIODE	1	
D587	MA188	DIODE	1	
D588	B0BC3R200008	DIODE	1	
D590	B0BC3R200008	DIODE	1	
D596	ERA15-10	DIODE	1	
D598	B0BC5R100039	DIODE	1	
D599	B0JCND000009	DIODE	1	
D600	B0BC7R400023	DIODE	1	
D601	B0BC5R100039	DIODE	1	
D602	B0BC8R100013	DIODE	1	
F410	K5G102B00020	FUSE	1	
IC401	CNC1S171R	IC	1	
IC402	C0DAEMB00004	IC	1	
IC403-05	CNC1S171R	IC	3	
IC406	C0DAZZZ00021	IC	1	
IC408	CNC1S171R	IC	1	
IC409	MIP2G40MPSCF	IC	1	
IC410	CNC1S171R	IC	1	
IC411	C0DAEMB00004	IC	1	
IC412	CNC1S171R	IC	1	
IC501	C2ABDB000108	IC	1	
IC502	C0EBH0000210	IC	1	
IC504	C0DAEMB00004	IC	1	
IC505	CNC1S171R	IC	1	
IC506	C0ZBZ0000878	IC	1	
IC507	CNC1S171R	IC	1	
IC509	C0DABZZ00010	IC	1	
IC510	C0DBAZG00034	IC	1	
IC512	C0DAEMB00004	IC	1	
IC520	LSSK0062	IC	1	
L403	EXCELSA35	BEAD CHOKE	1	
L404,05	G0B123K00004	CHOKE COIL	2	
L410	ELF17N004A	LINE FILTER	1	
L510	EXCELDR25C	BEAD CHOKE	1	
L511	G0A470ZA0033	CHOKE COIL	1	
L512	ELESE4R7JA	PEAKING COIL	1	
L513	EXCELDR25C	BEAD CHOKE	1	
P2	K1KA02A00626	2P CONNECTOR	1	
P5	K1KA11AA0194	11P CONNECTOR	1	
P9	K1KA03A00537	3P CONNECTOR	1	
P10	K1KA06A00452	6P CONNECTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
P11	K1KA02A00626	2P CONNECTOR	1	
P12	K1KA10AA0194	10P CONNECTOR	1	
P23	K1KA03AA0193	3P CONNECTOR	1	
P25	K1KA20AA0178	20P CONNECTOR	1	
PMM1	TMM7464-2	CLAMPER	1	
PMM2,M3	TMME088	CLAMPER	2	
PMM4-M6	TMM7464-2	CLAMPER	3	
PMM7	TMME047	CLAMPER	1	
PR401	K5Y502BA0001	FUSE	1	
PR505	K5H5022A0023	FUSE	1	
PR509	ERBSE0R50U	FUSE	1	
PR601	K5G312B00012	FUSE	1	
Q401	B1CHND000004	TRANSISTOR	1	
Q402	B1DFDD000019	TRANSISTOR	1	
Q404	B1BCCF000022	TRANSISTOR	1	
Q406	B1DEHQ000014	TRANSISTOR	1	
Q407	B1HFCFA00021	TRANSISTOR	1	
Q408,09	B1DHCD000034	TRANSISTOR	2	
Q412,13	B1DAGQ000013	TRANSISTOR	2	
Q418	2SD1819A	TRANSISTOR	1	
Q420-22	2SD1819A	TRANSISTOR	3	
Q434	B1CEJQ000003	eds	1	
Q501,02	2SD1820A	TRANSISTOR	2	
Q505	B1CEJQ000002	eds	1	
Q507	B1DAGQ000013	TRANSISTOR	1	
Q508	B1HBCFA00033	TRANSISTOR	1	
Q509	B1HDCEA00001	TRANSISTOR	1	
Q510	B1DHBD000005	TRANSISTOR	1	
Q512	B1CBGD000001	FET	1	
Q517	B1HBCFA00033	TRANSISTOR	1	
Q520	B1HBCFA00033	TRANSISTOR	1	
Q521	B1CBGD000001	FET	1	
Q524	B1CFGF000008	TRANSISTOR	1	
Q525	B1CBGD000001	FET	1	
Q527	B1CERL000005	TRANSISTOR	1	
Q530	2SD1819A	TRANSISTOR	1	
Q535	2SD1819A	TRANSISTOR	1	
Q537	B1DFDD000019	TRANSISTOR	1	
Q538	B1CBGD000001	FET	1	
Q540	B1DHCD000034	TRANSISTOR	1	
Q541	B1CBGD000001	FET	1	
Q551	B1CBGD000001	FET	1	
Q553	2SD1819A	TRANSISTOR	1	
Q554	B1DHCD000034	TRANSISTOR	1	
Q555,56	B1DFGD000045	TRANSISTOR	2	
Q557-59	2SD1819A	TRANSISTOR	3	
Q561	2SD1819A	TRANSISTOR	1	
Q563	B1CFGF000008	TRANSISTOR	1	
Q564,65	2SB1218ARL	TRANSISTOR	2	
Q566	2SD1819A	TRANSISTOR	1	
Q568	B1CHGD000006	TRANSISTOR	1	
Q569	B1CBGD000001	FET	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R401	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R402	ERJ6GEYJ821	M 820 OHM,J,1/10W	1	
R403	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R404	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R406	ERX12SJ2R2V	M 2.2 OHM, J,1/2W	1	
R407	ERJ8ENF4303	M 43KOHM, 1/8W	1	
R410	D1F5100E0003	CHIP RESISTOR	1	
R412	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R413	D1F5100E0003	CHIP RESISTOR	1	
R414	ERJ8GEYJ153	M 15KOHM, J,1/8W	1	
R415	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R416	ERJ6GEYJ305	M 3MOHM,J,1/10W	1	
R417	ERJ6ENF4303	M 430KOHM, 1/10W	1	
R418	ERJ6GEYJ220	M 22 OHM,J,1/10W	1	
R419	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R420	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R421	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R422	ERJ6GEYJ334	M 330KOHM,J,1/10W	1	
R423	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R424	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R425	ERJ6ENF3902	M 39KOHM, 1/10W	1	
R426	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R427	ERJ8ENF4303	M 43KOHM, 1/8W	1	
R428	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R429	ERJ6GEYJ4R7	M 4.7 OHM,J,1/10W	1	
R430	ERJ6ENF4303	M 430KOHM, 1/10W	1	
R431	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R432	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R433	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R434	ERJ8GEY0R00	M 0 OHM, 1/8W	1	
R435	ERJ8ENF4303	M 43KOHM, 1/8W	1	
R436	ERJ8GEYJ153	M 15KOHM, J,1/8W	1	
R437	ERJ6GEYJ183	M 18KOHM,J,1/10W	1	
R438	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R439	ERG12SJ120	M 12 OHM, J,1/2W	1	
R440	ERJ8GEYJ474	M 470KOHM, J,1/8W	1	
R441,42	ERJ6EKF6803	M 680KOHM, 1/10W	2	
R443	EVMAASA00B23	CONTROL 2KOHMB	1	
R444	ERJ6GEYJ123	M 12KOHM,J,1/10W	1	
R448,49	D0XGR10J0003	M 0.1OHM,J, 5W	2	
R450	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R451	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R452	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R453	ERJ6GEYJ305	M 3MOHM,J,1/10W	1	
R454	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R455	ERJ6GEYJ123	M 12KOHM,J,1/10W	1	
R456	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R458	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R459	ERJ6EKF6803	M 680KOHM, 1/10W	1	
R461	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R462	ERJ6ENF4303	M 430KOHM, 1/10W	1	
R463	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R464	ERJ6ENF3302	M 33KOHM, 1/10W	1	
R465	ERJ6ENF5603	M 560KOHM, 1/10W	1	
R467	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R471	ERJ8GEYJ332	M 3.3KOHM, J,1/8W	1	
R472,73	ERJ6ENF5603	M 560KOHM, 1/10W	2	
R475	ERJ6EKF6803	M 680KOHM, 1/10W	1	
R476,77	ERJ14YJ181U	M 181 OHM, J,1/4W	2	
R478	ERJ8GEYJ220	M 22 OHM, J,1/8W	1	
R480	ERJ6ENF4702	M 47KOHM, 1/10W	1	
R482	ERJ8GEYJ220	M 22 OHM, J,1/8W	1	
R483	D0BF225JA030	M 22MOHM,J,0.05W	1	
R487	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R488	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R490,91	ERJ6GEYJ473	M 47KOHM,J,1/10W	2	
R492	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R493	ERG12SJ120	M 12 OHM, J,1/2W	1	
R494-96	ERJ6ENF5603	M 560KOHM, 1/10W	3	
R497	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R498	ERG3SJ101	M 100 OHM, J, 3W	1	
R499	D0BF394JA029	M 390KOHM,J,0.05W	1	
R501	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R502,03	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R504	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R505	ERJ8GEYJ330	M 33 OHM, J,1/8W	1	
R506	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R507	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R508	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R509-11	ERJ6GEYJ104	M 100KOHM,J,1/10W	3	
R512	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R513,14	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R515,16	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R517	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R518	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R519,20	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R521,22	ERJ8GEYJ100	M 10 OHM, J,1/8W	2	
R523	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R524	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R525	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R526,27	ERJ8GEYJ224	M 220KOHM, J,1/8W	2	
R528	ERJ6GEYJ4R7	M 4.7 OHM,J,1/10W	1	
R529	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R530	ERJ6RBD3302	M 33KOHM,F,1/10W	1	
R532	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R533	ERJ6GEYJ163	M 16KOHM,J,1/10W	1	
R534	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R535,36	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R537	ERJ6ENF1003	M 100KOHM, 1/10W	1	
R538	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R539	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R540,41	ERJ6GEYJ105	M 1MOHM,J,1/10W	2	
R542	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R543	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R544	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R545	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R546	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R547	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R548	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R549	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R550	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R551	ERJ6GEYJ334	M 330KOHM,J,1/10W	1	
R552	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R553	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R554	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R555,56	ERJ6GEYJ105	M 1MOHM,J,1/10W	2	
R557	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R558	ERJ6GEYJ474	M 470KOHM,J,1/10W	1	
R559	ERJ6ENF8201	M 8.2KOHM, 1/10W	1	
R560	ERJ6ENF9101	M 9.1KOHM, 1/10W	1	
R561	ERJ6ENF5101	M 5.1KOHM, 1/10W	1	
R562	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R563	ERJ6GEYJ2R2	M 2.2 OHM,J,1/10W	1	
R564	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R565,66	ERJ6GEYJ105	M 1MOHM,J,1/10W	2	
R567,68	ERJ8ENF1004	M 100KOHM, 1/8W	2	
R569	ERJ6ENF3302	M 33KOHM, 1/10W	1	
R570	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R571	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R572,73	ERJ8ENF3900	M 390 OHM, 1/8W	2	
R574	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R575	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R576	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R577,78	ERJ6GEYJ473	M 47KOHM,J,1/10W	2	
R579	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R580,81	ERJ6GEYJ473	M 47KOHM,J,1/10W	2	
R582	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R583	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R584	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R585	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R586	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R587	ERJ8RQJR22V	M0.22 OHM, 1/8W	1	
R588	ERJ8ENF3900	M 390 OHM, 1/8W	1	
R589,90	ERJ8GEYJ123	M 12KOHM, J,1/8W	2	
R591	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R592	ERJ6ENF3001	M 3KOHM, 1/10W	1	
R593	ERJ6ENF5601	M 5.6KOHM, 1/10W	1	
R594	ERJ6GEYJ151	M 150 OHM,J,1/10W	1	
R595	ERJ8GEYJ222	M 2.2KOHM, J,1/8W	1	
R596	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R597,98	ERJ6ENF3302	M 33KOHM, 1/10W	2	
R599,00	ERJ8ENF3900	M 390 OHM, 1/8W	2	
R601	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R602	ERJ6ENF3301	M 3.3KOHM, 1/10W	1	
R603	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R606	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R607	ERJ6ENF2202	M 2.2KOHM, 1/10W	1	
R608	ERJ8GEYJ332	M 3.3KOHM, J,1/8W	1	
R609	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R610,11	ERJ6GEYJ473	M 47KOHM,J,1/10W	2	
R612	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R613	ERJ6ENF2402	M 24KOHM, 1/10W	1	
R614	ERJ6ENF3301	M 3.3KOHM, 1/10W	1	
R615	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R616,17	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R618	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R619	ERJ8RQFR68	M 0.68OHM, J,1/8W	1	
R620	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R621	ERJ8GEYJ123	M 12KOHM, J,1/8W	1	
R622	ERJ8ENF1503	M 15KOHM, 1/8W	1	
R624	ERX2SJR22	M0.22 OHM, J, 2W	1	
R626	ERJ8ENF1503	M 15KOHM, 1/8W	1	
R627	ERJ6GEYJ822	M 8.2KOHM,J,1/10W	1	
R628	EVMAASA00B33	CONTROL 3KOHMB	1	
R629	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R630	ERJ8GEYJ472	M 4.7KOHM, J,1/8W	1	
R631	ERJ8GEYJ333	M 33KOHM, J,1/8W	1	
R632	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R633	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R634	ERJ8RQFR68	M 0.68OHM, J,1/8W	1	
R636	ERJ8ENF1503	M 15KOHM, 1/8W	1	
R637	ERJ8RQFR68	M 0.68OHM, J,1/8W	1	
R638	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R641	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R642-44	ERJ8RQFR68	M 0.68OHM, J,1/8W	3	
R645	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R646,47	ERJ8GEYJ223	M 22KOHM, J,1/8W	2	
R648	ERJ8ENF1503	M 15KOHM, 1/8W	1	
R649	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R650	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R651,52	ERJ6ENF1002	M 10KOHM, 1/10W	2	
R653	ERJ6ENF3302	M 33KOHM, 1/10W	1	
R654	ERJ8GEYJ220	M 22 OHM, J,1/8W	1	
R655	ERJ8RQJR22V	M0.22 OHM, 1/8W	1	
R656	ERJ6ENF4702	M 47KOHM, 1/10W	1	
R657	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R658	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R659	ERJ6ENF3002	M 30KOHM, 1/10W	1	
R660	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R661	EVMEASA00B53	CONTROL 5KOHMB 0.3W	1	
R662	ERJ6ENF1503	M 150KOHM, 1/10W	1	
R664	ERJ6ENF9101	M 9.1KOHM, 1/10W	1	
R665	EVMEASA00B23	CONTROL 2KOHMB 0.3W	1	
R666	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R667,68	ERJ8GEY0R00	M 0 OHM, 1/8W	2	
R669	ERJ6ENF1303	M 130KOHM, 1/10W	1	
R670	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R671	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
R672,73	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R674	ERJ8GEYJ333	M 33KOHM, J,1/8W	1	
R675	ERJ6ENF2202	M 2.2KOHM, 1/10W	1	
R676	ERJ8GEYJ333	M 33KOHM, J,1/8W	1	
R677	ERJ6GEYJ474	M 470KOHM,J,1/10W	1	
R678	ERJ8GEY0R00	M 0 OHM, 1/8W	1	
R679,80	ERJ8RQJR22V	M0.22 OHM, 1/8W	2	
R682	ERJ6ENF2002	M 20KOHM, 1/10W	1	
R683	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R684	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R685,86	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R687	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R688,89	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R690	ERJ6GEYJ4R7	M 4.7 OHM,J,1/10W	1	
R691	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R692	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R693	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R695	ERJ6ENF1602	M 16KOHM, 1/10W	1	
R696	ERJ8GEYJ100	M 10 OHM, J,1/8W	1	
R697	ERJ6GEYJ4R7	M 4.7 OHM,J,1/10W	1	
R698	ERJ8RQJR22V	M0.22 OHM, 1/8W	1	
R699-08	ERJ8GEYJ105	M 1MOHM, J,1/8W	10	
R711	ERJ8RQJR22V	M0.22 OHM, 1/8W	1	
R712	ERJ6GEYJ4R7	M 4.7 OHM,J,1/10W	1	
R713	ERJ8GEYJ472	M 4.7KOHM, J,1/8W	1	
R714	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R715	ERDS2TJ101	C 100 OHM, J,1/4W	1	
R921	ERJ6RBD3302	M 33KOHM,F,1/10W	1	
R922	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R931	ERJ6ENF3302	M 33KOHM, 1/10W	1	
R932	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R933	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R935	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R936	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R937	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R938	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R939,40	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R943	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R945	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R946	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R947	ERJ8GEYJ331	M 330 OHM, J,1/8W	1	
R950	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R951,52	ERJ8GEYJ100	M 10 OHM, J,1/8W	2	
R953	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R955	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R956	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
RL402,03	TSEH8011	RELAY	2	
S401,02	J0LT00000009	SWITCH	2	
T401	G4D4A0000120	SWITCHING TRANSFORMER	1	
T402	G4D1A0000098	SWITCHING TRANSFORMER	1	
T404	G4D4A0000118	SWITCHING TRANSFORMER	1	
T407	ETQ11K5AZ	CHOKE TRANS	1	
T410	ETS25AF115AH	SWITCHING TRANS	1	
T601	G4D2A0000264	SWITCHING TRANS	1	
W9,10	J0JKB0000037	FLAT CORE	2	
X501	H2B400400021	CRYSTAL	1	
Z1,Z2	K4ZZ01000206	TERMINAL	2	
Z400	TNPA3911	CIRCUIT BOARD P	1	
Z420	TMM23417	CLAMPER	1	
Z450-53	EYF52BCY	FUSE HOLDER	4	
ZN401	ERZVGED621T2	VARISTOR	1	
ZN402	D4EAD7510001	VARISTOR	1	
ZN404	ERZVGAD681T2	VARISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
ZN405-06	ERZVA7D511	VARISTOR	2	

16.3. Electrical Replacement Parts List (42inch)

Note:
All parts except parts mentioned [PAVCCZ] in the Remarks column are supplied by PAVC-CSG.
Parts mentioned [PAVCCZ] are supplied by PAVCCZ.

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
F401.402	K5D802BNA005	TIME LAG FUSE HIGH	2	
C001	ECA0JM102	E 1000UF, 6.3V	1	
C002,03	ECA1HM100	E 10UF, 50V	2	
C007	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C009	ECJ1VF1H104Z	C 0.1UF, Z, 50V	1	
C11	K1MN55BA0076	55P CONNECTOR	1	
C12	K1MN20BA0231	20P CONNECTOR	1	
C013	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C016	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C018,19	ECJ1VC1H330J	C 33PF, J, 50V	2	
C020	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C021	ECJ1XC1H101J	C 100PF, J, 50V	1	
C21	K1MN55BA0076	55P CONNECTOR	1	
C22	K1MN20BA0231	20P CONNECTOR	1	
C23	K1KA12BA0107	12P CONNECTOR	1	
C1100	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1102	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1103	ECJ0EB1E271K	C 270PF, K, 25V	1	
C1105	ECJ0EB1E271K	C 270PF, K, 25V	1	
C1106	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C1107	EEEHB0G101R	C 100PF, J, 4V	1	
C1109-11	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C1112	ECJ0EB1E271K	C 270PF, K, 25V	1	
C1114	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1116	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1118-23	ECJ0EB1A104K	C 0.1UF, K, 10V	6	
C1125	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1127-32	ECJ0EB1A104K	C 0.1UF, K, 10V	6	
C1133,34	ECJ1XC1H150J	C 15PF, J, 50V	2	
C1135-42	ECJ0EB1A104K	C 0.1UF, K, 10V	8	
C1144-50	ECJ0EB1A104K	C 0.1UF, K, 10V	7	
C1152	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1153	EEEHB0G101R	C 100PF, J, 4V	1	
C1154	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1155	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C1156,57	ECJ1XC1H220J	C 22PF, J, 50V	2	
C1158	F1J0J1060004	C 0.010UF, K, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C1159	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1161	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C1167,68	ECJ1VB1A105K	C 0.01UF, Z, 50V	2	
C1170,71	ECJ0EB1A104K	C 0.1UF, K, 10V	2	TH-42PD60B
C1172	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1177	ECJ1VB1A334K	C 0.1UF, K, 16V	1	
C1178	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C1180,81	ECJ1VB1H221K	C 220UF, K, 50V	2	
C1186	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C1190	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C1209	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C1212	ECJ1XC1H151J	C 150PF, J, 50V	1	
C1219,20	EEEHP1C100R	C 10PF, J, 16V	2	
C1221	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C1222,23	F1J0J1060004	C 0.010UF, K, 16V	2	
C1226	F1J0J1060004	C 0.010UF, K, 16V	1	
C1227	ECJ0EB1H101K	C 100PF, K, 50V	1	
C1228-34	EEEHB1C470P	C 47PF, J, 16V	7	
C1294	ECJ1XC1H330J	C 33PF, J, 50V	1	
C2005-18	ECJ1XC1H561J	C 560PF, J, 50V	14	
C2019	ECA1CM221	E 220UF, 16V	1	
C2020	ECA1HM220	E 22UF, 50V	1	
C2021,22	ECJ1XC1H561J	C 560PF, J, 50V	2	
C2103,04	ECJ3YB1A106M	C 10UF, M,6.3V	2	
C2111	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2116	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2118,19	ECEA1CN470U	E 47UF, 16V	2	
C2122,23	ECJ3YB1A106M	C 10UF, M,6.3V	2	
C2127	ECA1CMH101	E 100UF, 16V	1	
C2128	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2129,30	F1J1A1050002	C 1UF, Z, 50V	2	
C2131	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2132	EEEHB1C100R	C 10PF, J, 16V	1	
C2133,34	ECJ1XC1H470J	C 47PF, J, 50V	2	
C2139-43	ECJ1VB1H103K	C 0.001UF, K, 50V	5	
C2144,45	ECJ3YB1A106M	C 10UF, M,6.3V	2	
C2146	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2147	ECA1HM220	E 22UF, 50V	1	
C2148-50	ECJ2FB1C105K	C 1UF, K, 16V	3	
C2152	ECJ2FB1C105K	C 1UF, K, 16V	1	
C2153	ECJ2FF1C475Z	C 0.047UF, Z, 16V	1	
C2154	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2156	ECJ3YB1A106M	C 10UF, M,6.3V	1	
C2158	ECJ3YB1A106M	C 10UF, M,6.3V	1	
C2159,60	ECJ2FB1C105K	C 1UF, K, 16V	2	
C2161	ECA1CMH101	E 100UF, 16V	1	
C2162-69	ECJ2FB1C105K	C 1UF, K, 16V	8	
C2170-72	ECJ1VB1H102K	C 1000PF, K, 50V	3	
C2173	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C2174	ECJ1VB1H102K	C 1000PF, K, 50V	1	
C2175-77	ECJ1VB1H103K	C 0.001UF, K, 50V	3	
C2178,79	EEEHB1C100R	C 10PF, J, 16V	2	
C2181	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2183	EEEHB1H3R3R	C 3.3PF, J, 50V	1	
C2184,85	ECJ2VF1C104Z	C 0.1UF, Z, 16V	2	
C2189,90	ECJ2FB1C105K	C 1UF, K, 16V	2	
C2191	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C2192	EEEHB1C100R	C 10PF, J, 16V	1	
C2193,94	ECJ2FB1C105K	C 1UF, K, 16V	2	
C2195	ECJ1XC1H470J	C 47PF, J, 50V	1	
C2196	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2197	ECJ2FB0J225K	C 2.2UF, Z, 16V	1	
C2198	EEEHB0J101P	C 100PF, J, 6.3V	1	
C2199	ECJ1VC1H560J	C 56PF, J, 50V	1	
C2200	ECJ1XC1H470J	C 47PF, J, 50V	1	
C2201	ECJ1XC1H030C	C 3PF, C, 50V	1	
C2202	ECJ1XC1H050C	C 5PF, C, 50V	1	
C2203	ECJ1VC1H100C	C 10PF, C, 50V	1	
C2204	ECJ1XC1H220J	C 22PF, J, 50V	1	
C2211	ECJ1VB1C104K	C 0.1UF, K, 16V	1	
C2213	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
C2218-21	ECJ3YB1A106M	C 10UF, M,6.3V	4	
C2222	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C2223	ECJ1XC1H390J	C 39PF, J, 50V	1	
C2225	ECJ2FB1C105K	C 1UF, K, 16V	1	
C2226	ECJ1VB1H102K	C 1000PF, K, 50V	1	
C2237-40	ECJ1VB1H103K	C 0.001UF, K, 50V	4	
C2301	ECA1EHG471	E 470UF, 25V	1	
C2303	ECA1CMH101	E 100UF, 16V	1	
C2307	ECA1CMH101	E 100UF, 16V	1	
C2314	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C2317	ECJ2FB1A105K	C 1UF, K, 10V	1	
C2320	ECJ2FB1A105K	C 1UF, K, 10V	1	
C2321	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C2322	ECJ2FB1A105K	C 1UF, K, 10V	1	
C2323,24	ECJ2FB1E224K	C 22UF, K, 25V	2	
C2325,26	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C2327	F1J1H474A757	C 0.47UF, 50V	1	
C2328-31	ECJ2FB1E105K	C 1UF, K, 25V	4	
C2332,33	ECA1EHG471	E 470UF, 25V	2	
C2334,35	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C2336	F1J1H474A757	C 0.47UF, 50V	1	
C2337,38	ECJ2FB1E224K	C 22UF, K, 25V	2	
C2341	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C2342	ECJ2FB1E105K	C 1UF, K, 25V	1	
C2372	ECA1HHG100	E 10UF, 50V	1	
C2373	ECJ1VF1H104Z	C 0.1UF, Z, 50V	1	
C2374	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C2380	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C2382	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C2385	ECJ2FB1A105K	C 1UF, K, 10V	1	
C2387	ECJ2FB1A105K	C 1UF, K, 10V	1	
C2393,94	ECJ1VB1C105K	C 0.01UF, K, 16V	2	
C2401	ECJ2FB1A105K	C 1UF, K, 10V	1	
C2402	ECJ2FB0J106M	C 10UF, Z,6.3V	1	
C2403	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C2417	ECJ2FB0J106M	C 10UF, Z,6.3V	1	
C2430	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C2512	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C2515	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C2517	ECJ1VB1H103K	C 0.001UF, K, 50V	1	TH-42PD60B
C3001-03	ECJ1VB1H102K	C 1000PF, K, 50V	3	
C3021	F1J1A1050002	C 1UF, Z, 50V	1	
C3022,23	ECJ1VB1H103K	C 0.001UF, K, 50V	2	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3024-26	F1J1A1050002	C 1UF, Z, 50V	3	
C3033	F1J1A1050002	C 1UF, Z, 50V	1	
C3035,36	F1J1A1050002	C 1UF, Z, 50V	2	
C3038	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3039	F1J1A1050002	C 1UF, Z, 50V	1	
C3040	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3041	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C3043	F1J1A1050002	C 1UF, Z, 50V	1	
C3045,46	ECJ1VB1H103K	C 0.001UF, K, 50V	2	
C3047	F1J1A1050002	C 1UF, Z, 50V	1	
C3048	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C3049-56	F1J1A1050002	C 1UF, Z, 50V	8	
C3058	ECA1EM471	E 470UF, 25V	1	
C3059	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3062-64	ECJ2VF1C104Z	C 0.1UF, Z, 16V	3	
C3065	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C3066	F1J1A1050002	C 1UF, Z, 50V	1	
C3067	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C3068	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3070	ECA1EM471	E 470UF, 25V	1	
C3071	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3072	ECA1EM471	E 470UF, 25V	1	
C3073	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3074	ECA1EM471	E 470UF, 25V	1	
C3075	ECA1CM221	E 220UF, 16V	1	
C3076	ECA1EM471	E 470UF, 25V	1	
C3207	ECA1AM102	E 1000UF, 10V	1	
C3214	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3216	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3226-28	ECJ2VF1C104Z	C 0.1UF, Z, 16V	3	
C3230	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3233	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3241	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3262	ECJ1VB1H472K	C 4700PF, K, 50V	1	
C3265	ECJ1VB1H102K	C 1000PF, K, 50V	1	
C3268	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C3270-73	ECJ1XC1H680J	C 68PF, J, 50V	4	
C4003-08	F1J0J1060004	C 0.010UF, K, 16V	6	
C4014,15	F1J0J1060004	C 0.010UF, K, 16V	2	
C4023	F1J0J1060004	C 0.010UF, K, 16V	1	
C4026	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4027	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4028	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4112	F1J0J1060004	C 0.010UF, K, 16V	1	
C4117	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4158	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4159	F1H1C104A065	C 0.1UF, K, 16V	1	
C4160	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4165	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4168	ECJ1XC1H680J	C 68PF, J, 50V	1	
C4171	ECJ1XC1H471J	C 470PF, J, 50V	1	
C4172,73	F1H1C104A065	C 0.1UF, K, 16V	2	
C4174	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4175	F1H1C104A065	C 0.1UF, K, 16V	1	
C4176	ECJ1VB0J225K	C 2.2UF, K, 6.3V	1	
C4177	ECJ2FB1C684K	C 68UF, Z, 16V	1	
C4178	ECJ1XB1C393K	C 0.039UF, K, 16V	1	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C4180	F1H1C104A065	C 0.1UF, K, 16V	1	
C4185,86	ECJ3XB0J106M	C 10UF, M,6.3V	2	
C4188	F1J0J1060004	C 0.010UF, K, 16V	1	
C4189-91	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C4196	F1H1C104A065	C 0.1UF, K, 16V	1	
C4199	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4200	EEEHB1C470P	C 47PF, J, 16V	1	
C4201	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4204	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4205,06	F1H1C104A065	C 0.1UF, K, 16V	2	
C4208,09	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4211	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4215	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4216	EEEHB1C470P	C 47PF, J, 16V	1	
C4217	F1H1C104A065	C 0.1UF, K, 16V	1	
C4218	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4219	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4224	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4227	ECJ1VB1C823K	C 0.082UF, K, 16V	1	
C4228	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4235	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4244	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4245	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4248	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4253	EEEHB1C470P	C 47PF, J, 16V	1	
C4256	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4262-64	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C4266	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4269	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4272	EEEHB1C470P	C 47PF, J, 16V	1	
C4273	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4282	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4284	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4288	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4290	EEEHB0J330R	C 33PF, J, 6.3V	1	
C4292	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4296	F1J0J1060004	C 0.010UF, K, 16V	1	
C4297	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4298-06	ECJ1VB1A105K	C 0.01UF, Z, 50V	9	
C4307-09	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C4310	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4311	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4312	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4313,14	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4315	F1J0J1060004	C 0.010UF, K, 16V	1	
C4316-18	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C4320-22	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C4325	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4327	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4329,30	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4331	F1J0J1060004	C 0.010UF, K, 16V	1	
C4332	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4333-38	ECJ0EB1A104K	C 0.1UF, K, 10V	6	
C4339	ECJ1VB0J225K	C 2.2UF, K, 6.3V	1	
C4340	ECJ1XC1H471J	C 470PF, J, 50V	1	
C4341	EEEHB1C470P	C 47PF, J, 16V	1	
C4342	ECJ0EB1A104K	C 0.1UF, K, 10V	1	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C4343	EEEHB1C100R	C 10PF, J, 16V	1	
C4344,45	F1J0J1060004	C 0.010UF, K, 16V	2	
C4346	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4347	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4348	EEEHB1C470P	C 47PF, J, 16V	1	
C4349	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4350,51	ECJ1XC1H181J	C 180PF, J, 50V	2	
C4352,53	ECJ1XC1H330J	C 33PF, J, 50V	2	
C4354	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4360	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4362	F1J0J1060004	C 0.010UF, K, 16V	1	
C4363,64	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4365	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4366	EEEHB1C470P	C 47PF, J, 16V	1	
C4367	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4371	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4372	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4373	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4374	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4375,76	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4377	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4379	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4380	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4381,82	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4383	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4384	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4385	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4386	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4387	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4388	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4389	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4390	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4391	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4392	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4393,94	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4395	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4396	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4397,98	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4399,00	ECJ1VB1A105K	C 0.01UF, Z, 50V	2	
C4401	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4402,03	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4404	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4405	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4406	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4407,08	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4409	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4410	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4411,12	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4413,14	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4415	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4417	EEEHB1C470P	C 47PF, J, 16V	1	
C4418,19	ECJ1VB1A105K	C 0.01UF, Z, 50V	2	
C4420,21	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4422-24	ECJ0EB1H102K	C 1000PF, K, 50V	3	
C4425,26	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4427	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4428	ECJ0EB1A104K	C 0.1UF, K, 10V	1	

C4425	ECJ0EB1A104K	C 0.1uF, K, 10V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C4429,30	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4434	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4435	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4436-39	ECJ0EB1H102K	C 1000PF, K, 50V	4	
C4440	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4441,42	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4447	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4448	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4451	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4452	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4453,54	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4455	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4456	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4457,58	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4459	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4460	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4462	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4464	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4465	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4466	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4467	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4470	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4474	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4475,76	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4477	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4478	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4479-81	ECJ0EB1H102K	C 1000PF, K, 50V	3	
C4482	ECJ1XC1H180J	C 18PF, J, 50V	1	
C4483	ECJ1XC1H150J	C 15PF, J, 50V	1	
C4493	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4494	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4496	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4497	EEEHB0G101R	C 100PF, J, 4V	1	
C4498	ECJ1XC1H471J	C 470PF, J, 50V	1	
C4499	EEFCD0G560ER	56UF,	1	
C4501	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4502	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4503	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4504	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4505	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4506	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4507	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4508	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4509-11	ECJ0EB1A104K	C 0.1UF, K, 10V	3	
C4512	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4513	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4514	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4515,16	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4517	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4518	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4519	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4520	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4521	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4522	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4523	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4524	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4525	ECJ0EB1C103K	C0.010UF, K, 16V	1	

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Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C4526	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4527	ECJ0EB1C103K	C0.010UF, K, 16V	1	
C4528	EEEHB1C470P	C 47PF, J, 16V	1	
C4529	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4530,31	ECJ0EB1H102K	C 1000PF, K, 50V	2	
C4532,33	ECJ0EB1A104K	C 0.1UF, K, 10V	2	
C4534	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4535	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4536	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4537	EEEHB0G101R	C 100PF, J, 4V	1	
C4538	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4539	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4540	ECJ0EB1H102K	C 1000PF, K, 50V	1	
C4541	ECJ0EB1A104K	C 0.1UF, K, 10V	1	
C4543	F1H1C104A065	C 0.1UF, K, 16V	1	
C4544	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C5604	ECA1HHG100	E 10UF, 50V	1	
C5605	EEUFC1E471	E 470UF, 25V	1	
C5606	ECA1CM471	E 470UF, 16V	1	
C5609	ECA1HM220	E 22UF, 50V	1	
C5611	F2A1H331A257	E 330UF, 50V	1	
C5612	ECA1CM471	E 470UF, 16V	1	
C5613	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C5616	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C5617	ECA1CM471	E 470UF, 16V	1	
C5618,19	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C5622	ECA1CM471	E 470UF, 16V	1	
C5623	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C5626	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C5633	ECA1EM221	E 220UF, 25V	1	
C5637	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C5641-44	ECJ1XF1C104Z	C 0.1UF, Z, 16V	4	
C5645	ECA1CHG470	E 47UF, 16V	1	
C5646	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C5647	ECA1CHG470	E 47UF, 16V	1	
C5648	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C5670	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C5672	ECA1HM220	E 22UF, 50V	1	
C5673	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C5685	ECA1HHG100	E 10UF, 50V	1	
C5686	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6001	F1L2J562A022	C 5600UF, K,6.3V	1	
C6011-13	F2A2D221A022	E 220UF, 200V	3	
C6021	F1L2J562A022	C 5600UF, K,6.3V	1	
C6031	F0C2E405A176	E 0.040UF, 250V	1	
C6041-44	TCUY1C105ZFN	C 1UF, 16V	4	
C6111,12	F2A2D151A070	E 150UF, 200V	2	
C6132	F1L1E4750004	C 4.7UF, 25V	1	
C6134,35	F1L1E4750004	C 4.7UF, 25V	2	
C6152-54	F1L1E4750004	C 4.7UF, 25V	3	
C6156	ECQE2224KF	P 2.2UF, K,250V	1	
C6192	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6194,95	F1L1E4750004	C 4.7UF, 25V	2	
C6201-08	ECQE2105B667	P 1UF, 250V	8	
C6211,12	F1L1E4750004	C 4.7UF, 25V	2	
C6213,14	F2A1E331A089	E 330UF, 25V	2	
C6221	ECJ2XB1H104K	C 0.1UF, K, 50V	1	

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Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6241	**F2A1E331A089**	**E 330UF, 25V**	**1**	
C6242	**TCUY1C105ZFN**	**C 1UF, 16V**	**1**	
C6243	**ECJ2XB1H103K**	**C 0.01UF, K, 50V**	**1**	
C6251	**TCUY1C105ZFN**	**C 1UF, 16V**	**1**	
C6261,62	**ECA2CM101**	**E 100UF, 160V**	**2**	
C6272,73	**EEUFC1E221**	**E 220UF, 25V**	**2**	
C6401,02	**F1L2J562A022**	**C 5600UF, K,6.3V**	**2**	
C6411-13	**F2A2D221A022**	**E 220UF, 200V**	**3**	
C6421,22	**F1L2J562A022**	**C 5600UF, K,6.3V**	**2**	
C6431	**F0C2E405A176**	**E 0.040UF, 250V**	**1**	
C6472	**ECJ2XB1H104K**	**C 0.1UF, K, 50V**	**1**	
C6480	**ECJ2XB1H104K**	**C 0.1UF, K, 50V**	**1**	
C6502	**F1L1E4750004**	**C 4.7UF, 25V**	**1**	
C6504,05	**F1L1E4750004**	**C 4.7UF, 25V**	**2**	
C6511-18	**ECQE2105B667**	**P 1UF, 250V**	**8**	
C6522	**F1L1E4750004**	**C 4.7UF, 25V**	**1**	
C6524,25	**F1L1E4750004**	**C 4.7UF, 25V**	**2**	
C6526	**ECQE2224KF**	**P 2.2UF, K,250V**	**1**	
C6561	**F2A1A1010074**	**E 100UF, 10V**	**1**	
C6562	**TCUY1C105ZFN**	**C 1UF, 16V**	**1**	
C6563	**F2A1A1010074**	**E 100UF, 10V**	**1**	
C6564	**TCUY1C105ZFN**	**C 1UF, 16V**	**1**	
C6565,66	**ECJ2XB1H103K**	**C 0.01UF, K, 50V**	**2**	
C6581	**ECJ3YB1E105K**	**C 1UF, K, 25V**	**1**	
C6582	**TCUY1C105ZFN**	**C 1UF, 16V**	**1**	
C6592	**ECA1EM471**	**E 470UF, 25V**	**1**	
C6593	**ECJ2XC1H102J**	**C 1000PF, J, 50V**	**1**	
C6601,02	**F1L1E4750004**	**C 4.7UF, 25V**	**2**	
C6603	**F1K2J102A014**	**C 1000UF, K,6.3V**	**1**	
C6604	**F2A2V470A020**	**E 47UF, 350V**	**1**	
C6605	**ECJ2XB1H104K**	**C 0.1UF, K, 50V**	**1**	
C6606	**F1K2J102A014**	**C 1000UF, K,6.3V**	**1**	
C6620	**ECJ3XB2J222K**	**C 2200PF, K,630V**	**1**	
C6641	**ECQE2224KF**	**P 2.2UF, K,250V**	**1**	
C6661,62	**F1K2J102A014**	**C 1000UF, K,6.3V**	**2**	
C6671	**F1L1E4750004**	**C 4.7UF, 25V**	**1**	
C6681,82	**F1L1E4750004**	**C 4.7UF, 25V**	**2**	
C6683	**ECJ2XB1H104K**	**C 0.1UF, K, 50V**	**1**	
C6691	**ECA2CM101**	**E 100UF, 160V**	**1**	
C6701-08	**ECJ2XB1H104K**	**C 0.1UF, K, 50V**	**8**	
C6721	**ECA1HM101**	**E 100UF, 50V**	**1**	
C6723-25	**F1L1E4750004**	**C 4.7UF, 25V**	**3**	
C6726,27	**TCUY1C105ZFN**	**C 1UF, 16V**	**2**	
C6728	**ECJ2XC1H102J**	**C 1000PF, J, 50V**	**1**	
C6752	**TCUY1C105ZFN**	**C 1UF, 16V**	**1**	
C6753	**F1L1E4750004**	**C 4.7UF, 25V**	**1**	
C6754	**ECA1VM470**	**E 47UF, 35V**	**1**	
C6755	**ECJ2XB1H104K**	**C 0.1UF, K, 50V**	**1**	
C6771	**TCUY1C105ZFN**	**C 1UF, 16V**	**1**	
C6772,73	**F1L1E4750004**	**C 4.7UF, 25V**	**2**	
C6775	**F1L1E4750004**	**C 4.7UF, 25V**	**1**	
C6776,77	**ECJ2XB1H104K**	**C 0.1UF, K, 50V**	**2**	
C6791	**EEUFC1E221**	**E 220UF, 25V**	**1**	
C6795	**ECA1EM471**	**E 470UF, 25V**	**1**	
C6802	**EEUFC1E221**	**E 220UF, 25V**	**1**	
C6803	**ECJ2XB1H104K**	**C 0.1UF, K, 50V**	**1**	
C6804	**F2A2E100A022**	**E 10UF, 250V**	**1**	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6805	TCUY1C105ZFN	C 1UF, 16V	1	
C6806,07	ECA2CM101	E 100UF, 160V	2	
C6811	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6823	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6841	ECA2CM101	E 100UF, 160V	1	
C6845	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6861	TCUY1C105ZFN	C 1UF, 16V	1	
C6862	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6871	TCUY1C105ZFN	C 1UF, 16V	1	
C6872	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6901	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6902	TCUY1C105ZFN	C 1UF, 16V	1	
C6904	TCUY1C105ZFN	C 1UF, 16V	1	
C6906	TCUY1C105ZFN	C 1UF, 16V	1	
C6908	TCUY1C105ZFN	C 1UF, 16V	1	
C6915,16	ECJ2XB1H221K	C 220PF, K, 50V	2	
C6921	ECJ2XB1H221K	C 220PF, K, 50V	1	
C6931	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6933,34	F1L2E105A013	E 0.10UF, 25V	2	
C6951	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6952	TCUY1C105ZFN	C 1UF, 16V	1	
C6954	TCUY1C105ZFN	C 1UF, 16V	1	
C6956	TCUY1C105ZFN	C 1UF, 16V	1	
C6958	TCUY1C105ZFN	C 1UF, 16V	1	
C6964-66	ECJ2XB1H221K	C 220PF, K, 50V	3	
C6981	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6982	F1L2E105A013	E 0.10UF, 25V	1	
C6985	F1L2E105A013	E 0.10UF, 25V	1	
C7111	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7112	TCUY1C105ZFN	C 1UF, 16V	1	
C7113,14	ECJ3XB2A474K	C 0.47UF, 6.3V	2	
C7115	TCUY1C105ZFN	C 1UF, 16V	1	
C7116	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7117	TCUY1C105ZFN	C 1UF, 16V	1	
C7118	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7120	TCUY1C105ZFN	C 1UF, 16V	1	
C7121	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7126	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7129,30	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C7132	TCUY1C105ZFN	C 1UF, 16V	1	
C7133	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7135	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7136	TCUY1C105ZFN	C 1UF, 16V	1	
C7137	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7139	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7201	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7202	TCUY1C105ZFN	C 1UF, 16V	1	
C7203,04	ECJ3XB2A474K	C 0.47UF, 6.3V	2	
C7205	TCUY1C105ZFN	C 1UF, 16V	1	
C7206	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7207	TCUY1C105ZFN	C 1UF, 16V	1	
C7208	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7210	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7211	TCUY1C105ZFN	C 1UF, 16V	1	
C7212	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7213	TCUY1C105ZFN	C 1UF, 16V	1	
C7214	ECJ1XC1H101J	C 100PF, J, 50V	1	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C7216	TCUY1C105ZFN	C 1UF, 16V	1	
C7217	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7220	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7222	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7224	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7226	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7231	TCUY1C105ZFN	C 1UF, 16V	1	
C7232	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7234	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7235	TCUY1C105ZFN	C 1UF, 16V	1	
C7236	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7239	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C8001	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PD60B
C8002	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PD60B
C8003	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PD60B
C8004	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PD60B
C8005	EEEHB1C100R	C 10PF, J, 16V	1	TH-42PD60B
C8007	ECJ0EB1H102K	C 1000PF, K, 50V	1	TH-42PD60B
C8015	ECJ1VC1H080C	C 8PF, C, 50V	1	TH-42PD60B
C8019,20	ECJ0EB1C103K	C0.010UF, K, 16V	2	TH-42PD60B
C8021	ECJ0EB1H102K	C 1000PF, K, 50V	1	TH-42PD60B
C8030	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PD60B
C8034,35	ECJ0EF1C104Z	C 0.10UF, Z, 16V	2	TH-42PD60B
C8037	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PD60B
C8039,40	ECJ0EB1C103K	C0.010UF, K, 16V	2	TH-42PD60B
C8041	EEEHB0G101R	C 100PF, J, 4V	1	TH-42PD60B
C8042,43	ECJ1VC1H100C	C 10PF, C, 50V	2	TH-42PD60B
C8046-48	ECJ0EB1C103K	C0.010UF, K, 16V	3	TH-42PD60B
C8051,52	ECJ0EB1C103K	C0.010UF, K, 16V	2	TH-42PD60B
C8055	EEEHB1C470P	C 47PF, J, 16V	1	TH-42PD60B
C8056	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PD60B
C8058-61	ECJ0EB1C103K	C0.010UF, K, 16V	4	TH-42PD60B
C8062	F1G1A1540001	C 0.15UF, K, 10V	1	PAVCCZ
C8071	ECJ0EC1H270J	C 270PF, K, 50V	1	TH-42PD60B
C8073	ECJ0EC1H270J	C 270PF, K, 50V	1	TH-42PD60B
C8098	ECGRL0G680ER	C 68PF, J, 4V	1	TH-42PD60B
C8099,00	ECJ0EB1A104K	C 0.1UF, K, 10V	2	TH-42PD60B
C8101,02	ECJ1VB0J105K	C 1UF, K, 6.3V	2	TH-42PD60B
C8103,04	ECJ0EB1A104K	C 0.1UF, K, 10V	2	TH-42PD60B
C8105	EEEHB0G101R	C 100PF, J, 4V	1	TH-42PD60B
C8106,07	ECJ1VB0J105K	C 1UF, K, 6.3V	2	TH-42PD60B
C8108	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PD60B
C8109	EEEHB0G101R	C 100PF, J, 4V	1	TH-42PD60B
C8110	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PD60B
C8121	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PD60B
C8128,29	ECJ0EB1C103K	C0.010UF, K, 16V	2	TH-42PD60B
C8134	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PD60B
C8135	ECJ0EB1A473K	C 0.047UF, K, 10V	1	TH-42PD60B
C8136	ECGRL0G680ER	C 68PF, J, 4V	1	TH-42PD60B
C8138	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PD60B
C8139	ECGRL0G680ER	C 68PF, J, 4V	1	TH-42PD60B
C8140	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PD60B
C8141	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PD60B
C8142	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PD60B
C8143	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PD60B
C8144	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PD60B
C8145	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PD60B

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C8146	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PD60B
C8147	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PD60B
C8148	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PD60B
C8149	ECJ1VB0J105K	C 1UF, K, 6.3V	1	TH-42PD60B
C8150	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PD60B
C8151	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PD60B
C8154-56	ECJ0EB1A104K	C 0.1UF, K, 10V	3	TH-42PD60B
C8157	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PD60B
C8160	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PD60B
C8161-64	ECJ0EB1C103K	C0.010UF, K, 16V	4	TH-42PD60B
C8165	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PD60B
C8166	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PD60B
C8167	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PD60B
C8168	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PD60B
C8169	EEEHB0G470R	C 47PF, J, 4V	1	TH-42PD60B
C8170	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-42PD60B
C8171	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PD60B
C8172	EEEHB0G470R	C 47PF, J, 4V	1	TH-42PD60B
C8173-75	ECJ0EB1C103K	C0.010UF, K, 16V	3	TH-42PD60B
C8176	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-42PD60B
C8182	ECJ0EC1H121J	C 120PF, K, 50V	1	TH-42PD60B
C8186	ECJ0EC1H680J	C 680PF, K, 50V	1	TH-42PD60B
C8189	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-42PD60B
C8193	EEEHB0J101P	C 100PF, J, 6.3V	1	TH-42PD60B
C8202,03	EEEHB1C470P	C 47PF, J, 16V	2	TH-42PD60B
C8204	ECJ3XB1C106M	C 1.0UF, K, 16V	1	TH-42PD60B
C8205,06	ECJ0EB1A104K	C 0.1UF, K, 10V	2	TH-42PD60B
C8207	EEEHB1C470P	C 47PF, J, 16V	1	TH-42PD60B
C8208	ECJ3XB1C106M	C 1.0UF, K, 16V	1	TH-42PD60B
C8210	ECJ0EB1A333K	C 0.033UF, K, 10V	1	TH-42PD60B
C8212	ECJ0EB1C223K	C 0.022UF, K, 16V	1	TH-42PD60B
C8240	ECJ1VB0J105K	C 1UF, K, 6.3V	1	TH-42PD60B
C8268	ECJ1VB0J105K	C 1UF, K, 6.3V	1	TH-42PD60B
C8269	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PD60B
C8303	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PD60B
C8305,06	ECJ0EB1C103K	C0.010UF, K, 16V	2	TH-42PD60B
C8314	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-42PD60B
C8315	ECJ2FF1A475Z	C 4.7UF, Z, 10V	1	TH-42PD60B
C8317,18	ECJ2FF1A475Z	C 4.7UF, Z, 10V	2	TH-42PD60B
C8319	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-42PD60B
C8320-23	ECJ1VB0J105K	C 1UF, K, 6.3V	4	TH-42PD60B
C8327	EEEHB1C470P	C 47PF, J, 16V	1	TH-42PD60B
C8329	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PD60B
C8330,31	ECJ0EC1H181J	C 180PF, K, 50V	2	TH-42PD60B
C8332	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PD60B
C8334,35	ECJ0EC1H330J	C 330PF, K, 50V	2	TH-42PD60B
C8340	ECJ0EB1C682K	C 6800UF, K, 16V	1	TH-42PD60B
C8341	ECJ0EB1C822K	C 8200UF, K, 16V	1	TH-42PD60B
C8342,43	ECGRL0G680ER	C 68PF, J, 4V	2	TH-42PD60B
C8344	ECJ1VB1H332K	C 3300PF, K, 50V	1	TH-42PD60B
C8345	ECJ0EB1C153K	C 0.015UF, K, 16V	1	TH-42PD60B
C8349	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PD60B
C8350,51	ECJ0EF1C104Z	C 0.10UF, Z, 16V	2	TH-42PD60B
C8361	EEEHB1C470P	C 47PF, J, 16V	1	TH-42PD60B
C8372	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PD60B
C8376	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PD60B
C8397	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PD60B

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Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C8401	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PD60B
C8403,04	ECJ0EF1C104Z	C 0.10UF, Z, 16V	2	TH-42PD60B
C8406	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-42PD60B
C8409	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-42PD60B
C8410	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PD60B
C8413,14	ECJ0EF1C104Z	C 0.10UF, Z, 16V	2	TH-42PD60B
C8416,17	ECJ0EF1C104Z	C 0.10UF, Z, 16V	2	TH-42PD60B
C8419	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-42PD60B
C8421	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PD60B
C8423	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PD60B
C8424	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-42PD60B
C8425	ECJ0EB1A104K	C 0.1UF, K, 10V	1	TH-42PD60B
C8427	F2G1A101A019	E 100UF, 10V	1	TH-42PD60B
C8428	ECJ0EF1C104Z	C 0.10UF, Z, 16V	1	TH-42PD60B
C8430-32	ECJ0EF1C104Z	C 0.10UF, Z, 16V	3	TH-42PD60B
C8433,34	ECJ0EB1C103K	C0.010UF, K, 16V	2	TH-42PD60B
C8467	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PD60B
C8501,02	ECJ0EC1H180J	C 180PF, K, 50V	2	TH-42PD60B
C8504	ECJ1VF1A105Z	C 1UF, Z, 10V	1	TH-42PD60B
C8506	ECJ2VF1C105Z	C 1UF, Z, 16V	1	TH-42PD60B
C8507	ECJ1XC1H102J	C 1000PF, J, 50V	1	TH-42PD60B
C8508	ECJ1XF1C334Z	C 0.33UF, Z, 16V	1	TH-42PD60B
C8509	EEEHB0J101P	C 100PF, J, 6.3V	1	TH-42PD60B
C8870	ECJ1XC1H471J	C 470PF, J, 50V	1	TH-42PD60B
C8872	ECJ2FB0J225K	C 2.2UF, Z, 16V	1	TH-42PD60B
C8910	ECJ0EB1C103K	C0.010UF, K, 16V	1	TH-42PD60B
C9028,29	F1J0J1060004	C 0.010UF, K, 16V	2	
C9033,34	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9035,36	F1J0J1060004	C 0.010UF, K, 16V	2	
C9037	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C9039	F1J0J1060004	C 0.010UF, K, 16V	1	
C9040	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9044-53	ECJ1XF1C104Z	C 0.1UF, Z, 16V	10	
C9055	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9057	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9058	F1J0J1060004	C 0.010UF, K, 16V	1	
C9060	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9467,68	ECJ1VF1H103Z	C 0.010UF, Z, 50V	2	
C9469	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9500-06	ECJ1XB1C104K	C 0.1UF, Z, 16V	7	
C9508	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9509	ECJ1VC1H200J	C 20PF, C, 50V	1	
C9510	ECJ1XC1H150J	C 15PF, J, 50V	1	
C9511	F1J0J1060004	C 0.010UF, K, 16V	1	
C9512	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9514,15	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C9516-25	ECJ1XB1C104K	C 0.1UF, Z, 16V	10	
C9526	F1J0J1060004	C 0.010UF, K, 16V	1	
C9527-30	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C9531	F1J0J1060004	C 0.010UF, K, 16V	1	
C9800	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9801	ECJ1VB1E272K	C 2700PF, K, 25V	1	
C9802	ECJ1XC1H470J	C 47PF, J, 50V	1	
C9803	ECJ1VB1H472K	C 4700PF, K, 50V	1	
C9804	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9805	ECJ1VB0J475K	C 4.7UF, K, 6.3V	1	
C9806	ECGRL0G680ER	C 68PF, J, 4V	1	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9807,08	ECJ3YB1E106M	C 10 UF, K, 25V	2	
C9809	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9815,16	ECGRL0G680ER	C 68PF, J, 4V	2	
C9817,18	ECJ3YB1E106M	C 10 UF, K, 25V	2	
C9822	F1J0J1060004	C 0.010UF, K, 16V	1	
C9823,24	ECJ3YB1E106M	C 10 UF, K, 25V	2	
C9825	ECJ1XC1H101K	C 100PF, K, 50V	1	
C9826	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9827	F1J0J1060004	C 0.010UF, K, 16V	1	
C9830-32	ECJ3XB1C106M	C 1.0UF, K, 16V	3	
C9833	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C9837	ECJ3XB1C106M	C 1.0UF, K, 16V	1	
C9838	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9839	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C9840	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9841,42	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C9843	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9844	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C9845,46	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9847,48	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C9880,81	ECJ1XB1H102K	C 1000UF, Z, 50V	2	
C9882	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9883	ECJ1VB1H822K	C 8200PF, K, 50V	1	
C9884	ECJ1VC1H100C	C 10PF, C, 50V	1	
C9885	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C9886	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9887	ECJ1VB0J475K	C 4.7UF, K, 6.3V	1	
C9891	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9896	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9897	ECJ1VB1H822K	C 8200PF, K, 50V	1	
C9898	ECJ1VC1H100C	C 10PF, C, 50V	1	
C9899	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C9900-51	ECJ1XB1C104K	C 0.1UF, Z, 16V	52	
C9952-54	EEFCD0G560ER	56UF,	3	
C9955-59	ECJ1XB1C104K	C 0.1UF, Z, 16V	5	
C9960-64	ECJ3XB0J106M	C 10UF, M,6.3V	5	
C9965	EEFCD0G560ER	56UF,	1	
C9966	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9967	ECJ1VB0J475K	C 4.7UF, K, 6.3V	1	
C9971	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
CB1-B7	K1MN68BA0002	68P CONNECTOR	7	
D3	K1KY40B00003	40P CONNECTOR	1	
D5	K1KB31BA0064	31P CONNECTOR	1	
D6	K1KA21A00011	21P CONNECTOR	1	
D20	K1KA20BA0296	20P CONNECTOR	1	
D25	K1KA20B00155	20P CONNECTOR	1	
D31,32	K1MN55BA0094	55P CONNECTOR	2	
D1106,07	MA729	DIODE	2	
D1119	MA704A	DIODE	1	
D1121	MA729	DIODE	1	
D2011-14	MA111	DIODE	4	
D2119	B0BC01100001	ZENER DIODE	1	
D2300,01	MA111	DIODE	2	
D2303,04	MA111	DIODE	2	
D2309	MA111	DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D2512	MA8056-M	ZENER DIODE	1	
D2520	B3AAA0000770	LED	1	
D2524	MA8056-M	ZENER DIODE	1	
D2525	B3ACA0000272	DIODE	1	TH-42PD60B PAVCCZ
D2526	MA8056-M	ZENER DIODE	1	TH-42PD60B
D2529	MA8056-M	ZENER DIODE	1	
D3002-12	MA8140M	ZENER DIODE	11	
D3015,16	MA8140M	ZENER DIODE	2	
D3021-23	MA111	DIODE	3	
D3024	B0BC01100001	ZENER DIODE	1	
D3025	MA8140M	ZENER DIODE	1	
D3027,28	MA8140M	ZENER DIODE	2	
D3030-32	MA8140M	ZENER DIODE	3	
D3038-40	MA8140M	ZENER DIODE	3	
D3044	MA111	DIODE	1	
D3100	MA8140M	ZENER DIODE	1	
D4020	EZJZ0V80008B	VARISTOR	1	
D4022	EZJZ0V80008B	VARISTOR	1	
D4024	EZJZ0V80008B	VARISTOR	1	
D4026	EZJZ0V80008B	VARISTOR	1	
D4028	EZJZ0V80008B	VARISTOR	1	
D4031,32	EZJZ0V80008B	VARISTOR	2	
D4035,36	EZJZ0V80008B	VARISTOR	2	
D4038	EZJZ0V80008B	VARISTOR	1	
D4041	EZJZ0V80008B	VARISTOR	1	
D4044	EZJZ0V80008B	VARISTOR	1	
D4047	MA3056M	ZENER DIODE	1	
D4049,50	B0HCMM000014	DIODE	2	
D5606	B0BC01100001	ZENER DIODE	1	
D5607	B0BC6R600005	ZENER DIODE	1	
D5610	B0BC4R700007	ZENER DIODE	1	(PA)
D5610	MA3X78900L	ZENER DIODE	1	(H)
D5612	B0BC3R700006	ZENER DIODE	1	
D5618	B0BC03900015	ZENER DIODE	1	
D5634	MA111	DIODE	1	
D5635	MA3047H	ZENER DIODE	1	
D5637,38	MA152	DIODE	2	
D5639	MA3047H	ZENER DIODE	1	
D5640	MA3039H	ZENER DIODE	1	
D5641	MA152	DIODE	1	
D5642	MA3120M	ZENER DIODE	1	
D5643	MA152	DIODE	1	
D5644	MA3068M	ZENER DIODE	1	
D5646,47	MA152	DIODE	2	
D5649	MA111	DIODE	1	
D6001	B0HBSN000008	DIODE	1	
D6021	B0HBSN000008	DIODE	1	
D6041	B0ECHP000003	DIODE	1	
D6051	B0ECHP000003	DIODE	1	
D6061	B0HBSN000008	DIODE	1	
D6071	B0HBSN000008	DIODE	1	
D6072	B0ECHP000003	DIODE	1	
D6081	B0HBSN000008	DIODE	1	
D6091	B0HBSN000008	DIODE	1	
D6092	B0ECHP000003	DIODE	1	
D6101,02	B0JCME000037	DIODE	2	
D6131,32	B0ECHP000003	DIODE	2	

[illegible]	[illegible]	[illegible]	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D6151,52	B0ECHP000003	DIODE	2	
D6153	MA111	DIODE	1	
D6154	MA8033L	ZENER DIODE	1	
D6191,92	B0ECHP000003	DIODE	2	
D6211	B0JCME000037	DIODE	1	
D6213,14	MA111	DIODE	2	
D6215	MA8082MTX	ZENER DIODE	1	
D6221	B0ECHP000003	DIODE	1	
D6222,23	MA111	DIODE	2	
D6251,52	MA8330M	ZENER DIODE	2	
D6253	LNJ301MPUJA	LED	1	
D6254	MA8051L	ZENER DIODE	1	
D6255	MA111	DIODE	1	
D6401	B0HBSN000008	DIODE	1	
D6431	MA3DF40000LZ	DIODE	1	
D6441	B0ECHP000003	DIODE	1	
D6451	B0ECHP000003	DIODE	1	
D6461	B0HBSN000008	DIODE	1	
D6471	B0HBSN000008	DIODE	1	
D6472	B0ECHP000003	DIODE	1	
D6477	MA111	DIODE	1	
D6478	B0HCKS000002	DIODE	1	
D6480	MA111	DIODE	1	
D6481	B0HBSN000008	DIODE	1	
D6491	MA3DF40000LZ	DIODE	1	
D6497	MA111	DIODE	1	
D6501,02	B0ECHP000003	DIODE	2	
D6521,22	B0ECHP000003	DIODE	2	
D6523	MA111	DIODE	1	
D6524	MA8033L	ZENER DIODE	1	
D6581,82	MA8330M	ZENER DIODE	2	
D6583	LNJ301MPUJA	LED	1	
D6584	MA8051L	ZENER DIODE	1	
D6585	MA111	DIODE	1	
D6601	MA8240M	ZENER DIODE	1	
D6602	B0ECHP000003	DIODE	1	
D6603	MA8240M	ZENER DIODE	1	
D6604	MA111	DIODE	1	
D6605	MA8051L	ZENER DIODE	1	
D6606	B0HCMM000014	DIODE	1	
D6607	MA111	DIODE	1	
D6619,20	B0HCKS000002	DIODE	2	
D6621	B0HDSM000005	DIODE	1	
D6623	B0HDSM000005	DIODE	1	
D6641,42	B0HCKS000002	DIODE	2	
D6643	MA111	DIODE	1	
D6661	MA111	DIODE	1	
D6662-64	MA8330M	ZENER DIODE	3	
D6665	MA8051L	ZENER DIODE	1	
D6666,67	MA111	DIODE	2	
D6671	MA111	DIODE	1	
D6682	B0HCMM000014	DIODE	1	
D6683,84	MA111	DIODE	2	
D6686,87	MA111	DIODE	2	
D6701,02	MA8056H	ZENER DIODE	2	
D6721	B0HCKS000002	DIODE	1	
D6723,24	B0JCME000037	DIODE	2	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D6725	B0ECHP000003	DIODE	1	
D6726-33	MA8056H	ZENER DIODE	8	
D6734	MA111	DIODE	1	
D6752	B0JCME000037	DIODE	1	
D6758	B0ECHP000003	DIODE	1	
D6760,61	MA111	DIODE	2	
D6771	B0JCME000037	DIODE	1	
D6773	B0HCKS000002	DIODE	1	
D6781	MA111	DIODE	1	
D6791	MA8200M	ZENER DIODE	1	
D6801	B0JCME000037	DIODE	1	
D6803	MA111	DIODE	1	
D6804	B0ECHP000003	DIODE	1	
D6805	MA111	DIODE	1	
D6806	B0ECHP000003	DIODE	1	
D6822,23	MA111	DIODE	2	
D6825	MA8330M	ZENER DIODE	1	
D6826	MA111	DIODE	1	
D6841	B0ECHP000003	DIODE	1	
D6842,43	MA111	DIODE	2	
D6859	B0ECHP000003	DIODE	1	
D6860	B0HCKS000002	DIODE	1	
D6861	MA8051L	ZENER DIODE	1	
D6862	MA111	DIODE	1	
D6871	MA8051L	ZENER DIODE	1	
D6872	MA111	DIODE	1	
D6901,02	MA8056H	ZENER DIODE	2	
D6903,04	B0ECHP000003	DIODE	2	
D6921	B0ECHP000003	DIODE	1	
D6922	MA8056H	ZENER DIODE	1	
D6951,52	MA8056H	ZENER DIODE	2	
D6953,54	B0ECHP000003	DIODE	2	
D8002	MA728	DIODE	1	TH-42PD60B
D8203,04	B0JCPE000004	DIODE	2	TH-42PD60B
D8501	B0CCAB000039	DIODE	1	TH-42PD60B
D9017-19	MA3033	ZENER DIODE	3	
D9020	MA728	DIODE	1	
D9300,01	MA152K	DIODE	2	
D9800	B0JCME000037	DIODE	1	
D9801	B0JCDD000002	DIODE	1	
D9802	MA728	DIODE	1	
D9804	MA152K	DIODE	1	
D9805,06	B0JCGD000002	DIODE	2	
D9807,08	MA152K	DIODE	2	
D9809,10	B0JCGD000002	DIODE	2	
D9811	MA728	DIODE	1	
D9812	B0JCME000037	DIODE	1	
D9813	B0JCDD000002	DIODE	1	
D9814	B0JCME000037	DIODE	1	
D9815	B0JCDD000002	DIODE	1	
DG1	K1KY80A00011	80P CONNECTOR	1	
DG2	K1KA15B00074	15P CONNECTOR	1	
DG3	K1KY40B00003	40P CONNECTOR	1	
DG5	K1KB21BA0063	21P CONNECTOR	1	
DG7	K1KA20B00155	20P CONNECTOR	1	
DG9	K1FY119D0001	CONNECTOR	1	

[illegible]	[illegible]	CONNECTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
DG15	K1KY40B00003	40P CONNECTOR	1	
DG20	K1MN40B00045	40P CONNECTOR	1	
DG22	K1KBB0A00009	CONNECTOR	1	TH-42PD60B
DG35	K1KA07BA0047	7P CONNECTOR	1	
FL4010,11	J0HABH000012	LC FILTER	2	TH-42PD60B
FL4015	J0HABH000012	LC FILTER	1	TH-42PD60B
FL7101	J0HABH000013	LC FILTER	1	
FL7201	J0HABH000013	LC FILTER	1	
FL9300,01	F1J1E1040022	LC FILTER	2	
FL9800,01	J0HABH000013	LC FILTER	2	
FL9803,04	J0HABH000012	LC FILTER	2	
FL9805-07	J0HABH000013	LC FILTER	3	
FL9900-02	F1J1E1040022	LC FILTER	3	
FL9903,04	J0HABH000013	LC FILTER	2	
H1	K1KY80A00011	80P CONNECTOR	1	
H2	K1KA15A00148	15P CONNECTOR	1	
H5	K1KA15AA0288	15P CONNECTOR	1	
H6	K1KA09A00230	9P CONNECTOR	1	
H15	K1KA04AA0150	4P CONNECTOR	1	
H40	K1KA20AA0009	20P CONNECTOR	1	
H53	K1KA12AA0194	12P CONNECTOR	1	
HC01	K1KA21A00011	21P CONNECTOR	1	
HC12	K1KA09AA0190	9P CONNECTOR	1	
HC15	K1KY40B00003	40P CONNECTOR	1	
HC21	K1KA08AA0193	8P CONNECTOR	1	
HC22	K1KA11AA0194	11P CONNECTOR	1	
IC1100	C3ABPG000145	IC	1	
IC1101	TVRN985-1	IC	1	
IC1102	TVRN753-2	IC	1	TH-42PA60E PAVCCZ
IC1102	TVRN759-2	IC	1	TH-42PD60B PAVCCZ
IC1103	MN103SB20RGL	IC	1	
IC1105,06	C0JBAS000128	IC	2	TH-42PD60B
IC1107	C0JBAS000128	IC	1	
IC1110	C0CBCAD00016	IC	1	
IC1111	C0EBY0000041	IC	1	
IC2103	AN77L08M	IC	1	
IC2104	C0ABBA000168	IC	1	
IC2105	AN15862A-VT	IC	1	
IC2106	C1AB00002468	IC	1	
IC2302	C1AB00002451	IC	1	
IC2304	C0ABBA000168	IC	1	
IC2306	C0ABBA000168	IC	1	
IC3005	AN15867A-VT	IC	1	
IC4013	C0CBCBF00009	IC	1	
IC4016	C0CBCAC00275	IC	1	
IC4018	C0CBCAC00275	IC	1	
IC4019	C1AB00002456	IC	1	
IC4023	TVRN918	IC	1	
IC4025	C0FBBK000038	IC	1	
IC4026	C1AB00002442	IC	1	
IC4027	C0DBFFD00003	IC	1	
IC4028	C0ABBB000230	IC	1	
IC4029	C0CBCAC00282	IC	1	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC4030	C0CBCBC00190	IC	1	
IC4032	C0DBGYY00052	IC	1	
IC4035	C0CBCAF00031	IC	1	
IC4036	C0JBAP000020	IC	1	
IC4037	MN84522-A	IC	1	
IC4038	C3ABQJ000048	IC	1	
IC5601A	N0BG2DE00001	IC	1	
IC5602	EHMDD9851	LINEAR IC	1	
IC5603	C0DBAJB00004	IC	1	
IC5604	C0DBZGC00067	IC	1	
IC6131	C0ZBZ0000895	IC	1	
IC6151	C0ZBZ0000895	IC	1	
IC6191	C0ZBZ0000895	IC	1	
IC6211	C0ZBZ0001325	IC	1	
IC6221	C0DBEMB00005	IC	1	
IC6241	C0JBAZ000005	IC	1	
IC6251	NJM2903M	INTEGRATED CIRCUIT	1	
IC6471	C0DBEKA00003	IC	1	
IC6472	C0JBAA000377	IC	1	
IC6501	C0ZBZ0000895	IC	1	
IC6521	C0ZBZ0000895	IC	1	
IC6561,62	C0JBAZ000005	IC	2	
IC6581	NJM2903M	INTEGRATED CIRCUIT	1	
IC6601	C0ZBZ0001325	IC	1	
IC6602	C0JBAB000715	IC	1	
IC6671	C0ZBZ0001325	IC	1	
IC6681	C0ZBZ0001325	IC	1	
IC6682	C0JBAA000377	IC	1	
IC6721,22	C0JBAZ000994	IC	2	
IC6724,25	C0CBADC00089	IC	2	
IC6751	C0CBADC00089	IC	1	
IC6752	C0ZBZ0001325	IC	1	
IC6753	C0JBAB000715	IC	1	
IC6771	C0CBADC00089	IC	1	
IC6772	C0ZBZ0001325	IC	1	
IC6773,74	C0JBAA000377	IC	2	
IC6791	N0BF1FB00001	IC	1	
IC6801,02	C0DBEMB00005	IC	2	
IC6821	C0DBEMB00005	IC	1	
IC6841	C0DBEMB00005	IC	1	
IC6861	NJM2903M	INTEGRATED CIRCUIT	1	
IC6871	NJM2903M	INTEGRATED CIRCUIT	1	
IC6901-04	AN16071A-VT	IC	4	
IC6951-54	AN16071A-VT	IC	4	
IC7101-04	C0JBAZ001120	IC	4	
IC7201-05	C0JBAZ001120	IC	5	
IC8003	STV0360CT	IC	1	TH-42PD60B PAVCCZ
IC8009	C3ABQG000095	IC	1	TH-42PD60B PAVCCZ
IC8013	MN2WS0025BEA	IC	1	TH-42PD60B PAVCCZ
IC8019	TVRN789	IC	1	TH-42PD60B PAVCCZ
IC8023,24	C0DBAMH00018	IC	2	TH-42PD60B
IC8029	C0FBBK000038	IC	1	TH-42PD60B
IC8031	BA15218FDX	IC	1	TH-42PD60B
IC8034	C0DBEHG00006	IC	1	TH-42PD60B PAVCCZ
IC8042	C0EBM0000026	IC	1	TH-42PD60B
IC8213	C0JBAZ001137	IC	1	TH-42PD60B
IC8402	74LVC4245AD	IC	1	TH-42PD60B PAVCCZ

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC8404	C0JBAZ002691	IC	1	TH-42PD60B PAVCCZ
IC8405	C0ZBZ0001333	IC	1	TH-42PD60B PAVCCZ
IC8408-11	C0JBAZ002691	IC	4	TH-42PD60B PAVCCZ
IC8412	C0JBAZ001137	IC	1	TH-42PD60B
IC8501	74VHCU04MXNL	IC	1	TH-42PD60B PAVCCZ
IC8864	C0DBFFD00003	IC	1	TH-42PD60B
IC9001	TVRN806	IC	1	
IC9003	TVRN922	IC	1	
IC9007	TVRN941	IC	1	
IC9011	C0EBF0000431	IC	1	
IC9200	C1ZBZ0003185	IC	1	
IC9303	TVRN815	IC	1	
IC9500	C1ZBZ0002599	IC	1	
IC9502	PST9128NR	IC (LOGIC)	1	
IC9503,04	C0JBAZ000856	IC	2	
IC9800	C0DBAYY00054	IC	1	
IC9801	C0DBZFG00066	IC	1	
IC9802,03	C0JBAZ000856	IC	2	
IC9806	C0DBAHD00011	IC	1	
IC9807	C0DBAYY00054	IC	1	
IC9809	C0DBAYY00054	IC	1	
IC9900	MN84521-A	IC	1	
IC9901	C3ABQJ000051	IC	1	
JK2002	K2HA204A0038	JACK	1	
JK2003	K4BK03A00002	AV TERMENAL	1	
JK3002-04	K1FB121A0010	CONNECTOR	3	PAVCCZ
JK3005	K2HA307A0008	JACK	1	
JK8401	K1NA68B00042	68P CONNECTOR	1	TH-42PD60B PAVCCZ
JS001	ERJ3GEY0R00	M 0 OHM, 1/16W	1	TH-42PD60B
JS012	ERJ3GEY0R00	M 0 OHM, 1/16W	1	TH-42PD60B
JS1100-02	ERJ2GE0R00	M 0.0 OHM, J,0.063W	3	
JS1109	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
JS1117	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
JS2021,22	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
JS2026	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS2031-33	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
JS2108,09	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
JS2123,24	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
JS2300-03	ERJ6GEY0R00	M 0 OHM, 1/10W	4	
JS2319	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS2331	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS3001	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS3005	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS3007-20	ERJ6GEY0R00	M 0 OHM, 1/10W	14	
JS3023	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS3037-39	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
JS3201	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS3206	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS3215	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS3230	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS3237	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS3239	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS3252	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS3255	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS3256,57	ERJ3GEY0R00	M 0 OHM, 1/16W	2	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
JS3302-04	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
JS3352	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS3354	J0JCC0000241	CHIP INDUCTOR	1	
JS3355	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS3357	J0JCC0000241	CHIP INDUCTOR	1	
JS3358	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS3359	J0JCC0000241	CHIP INDUCTOR	1	
JS3368	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS3402,03	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
JS3404,05	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
JS4016,17	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
JS4022-24	ERJ2GE0R00	M 0.0 OHM, J,0.063W	3	
JS4025,26	ERJ2GEJ101	M 100 OHM, J,0.063W	2	
JS4027,28	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
JS4029	ERJ2GEJ221	M 220 OHM, J,0.063W	1	
JS4033-40	ERJ2GE0R00	M 0.0 OHM, J,0.063W	8	
JS4042,43	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	TH-42PD60B
JS4046	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PA60E
JS4047,48	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	TH-42PD60B
JS4069	ERJ2GEJ221	M 220 OHM, J,0.063W	1	
JS4075	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PD60B
JS4077	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PD60B
JS4079	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PD60B
JS4095	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PA60E
JS4103	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PA60E
JS4104	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
JS4111	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS4117	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PD60B
JS5600	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS5602	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
K1	K1KY12B00001	12P CONNECTOR	1	
L008	J0JCC0000241	CHIP INDUCTOR	1	
L012	J0JCC0000241	CHIP INDUCTOR	1	
L017	J0JCC0000241	CHIP INDUCTOR	1	
L018	J0JGC0000021	CHIP INDUCTOR COIL	1	
L019	J0JCC0000241	CHIP INDUCTOR	1	TH-42PA60E
L020	J0JGC0000021	CHIP INDUCTOR COIL	1	
L021	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
L1101-04	J0JHC0000078	CHIP INDUCTOR	4	
L1109	J0JHC0000078	CHIP INDUCTOR	1	
L2001,02	J0JCC0000364	CHIP INDUCTOR	2	
L2003-16	TSK1032	BEAD CHOKE	14	
L2107	TSK1032	BEAD CHOKE	1	
L2108	J0JCC0000241	CHIP INDUCTOR	1	
L2109,10	TSK1032	BEAD CHOKE	2	
L2111,12	J0JCC0000241	CHIP INDUCTOR	2	
L2115	J0JCC0000241	CHIP INDUCTOR	1	
L2117	ELESE6R8KA	PEAKING COIL	1	
L2118	EXCELDR35C	BEAD CHOKE	1	
L2123	J0JCC0000241	CHIP INDUCTOR	1	
L2182-87	J0JCC0000241	CHIP INDUCTOR	6	
L2204	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
L2205,06	J0JCC0000241	CHIP INDUCTOR	2	
L2300-03	G0C330MA0049	PEAKING COIL	4	
L2308	TALL08N3R9MA	INDUCTION COIL	1	

[illegible]	[illegible]	INDUCTION COIL	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L3000	G0C101K00023	PEAKING COIL	1	
L3001-03	TSK1032	BEAD CHOKE	3	
L3009	TSK1032	BEAD CHOKE	1	
L3026	TSK1032	BEAD CHOKE	1	
L3202	J0JCC0000241	CHIP INDUCTOR	1	
L3205	J0JCC0000241	CHIP INDUCTOR	1	
L4023	J0JCC0000077	CHIP INDUCTOR	1	
L4029	J0JHC0000078	CHIP INDUCTOR	1	
L4031	J0JHC0000078	CHIP INDUCTOR	1	
L4038	J0JHC0000078	CHIP INDUCTOR	1	
L4041	J0JHC0000078	CHIP INDUCTOR	1	
L4044-46	J0JHC0000078	CHIP INDUCTOR	3	
L4048	J0JHC0000078	CHIP INDUCTOR	1	
L4049	J0JBC0000080	CHIP INDUCTOR	1	
L4050,51	J0JHC0000078	CHIP INDUCTOR	2	
L4052	J0JCC0000077	CHIP INDUCTOR	1	
L4053-55	J0JHC0000078	CHIP INDUCTOR	3	
L4056,57	J0JCC0000077	CHIP INDUCTOR	2	
L4060,61	J0JCC0000077	CHIP INDUCTOR	2	
L4065,66	J0JHC0000078	CHIP INDUCTOR	2	
L4068-70	J0JHC0000078	CHIP INDUCTOR	3	
L4071	J0JBC0000080	CHIP INDUCTOR	1	
L4073	J0JHC0000078	CHIP INDUCTOR	1	
L4075	J0JHC0000078	CHIP INDUCTOR	1	
L4077	J0JCC0000077	CHIP INDUCTOR	1	
L4078	J0JHC0000078	CHIP INDUCTOR	1	
L5602	TALL08N2R7MA	INDUCTION COIL	1	
L5604	TALL08N2R7MA	INDUCTION COIL	1	
L5605	G0A2R7ZA0021	CHOKE COIL	1	
L5606,07	G0A220GA0002	CHOKE COIL	2	
L5608	G1C100MA0072	INDUCTION COIL	1	
L5609	G0A220GA0002	CHOKE COIL	1	
L5610	G1C470MA0077	INDUCTION COIL	1	
L5612	TALL08N2R7MA	INDUCTION COIL	1	
L5615	TALL08N150KA	INDUCTION COIL	1	
L5621	G1C330MA0234	INDUCTION COIL	1	
L5622,23	G1C150MA0234	INDUCTION COIL	2	
L5624	G1C330MA0234	INDUCTION COIL	1	
L5651	G0A220GA0002	CHOKE COIL	1	
L6001-03	ELC11P0R6	CHOKE COIL	3	
L6011	ELC11P1R0	CHOKE COIL	1	
L6013	ELC11P1R0	CHOKE COIL	1	
L6061-64	G0ZZ00002183	PEAKING COIL	4	
L6081-84	G0ZZ00002183	PEAKING COIL	4	
L6101,02	J0JJC0000011	CHIP INDUCTOR	2	
L6103	G0ZZ00002183	PEAKING COIL	1	
L6221	G0ZZ00002183	PEAKING COIL	1	
L6241	G0ZZ00002183	PEAKING COIL	1	
L6262	G0ZZ00002183	PEAKING COIL	1	
L6271,72	G0ZZ00002183	PEAKING COIL	2	
L6401-03	ELC11P0R6	CHOKE COIL	3	
L6411,12	ELC11P1R0	CHOKE COIL	2	
L6461-64	G0ZZ00002183	PEAKING COIL	4	
L6472	G0ZZ00002183	PEAKING COIL	1	
L6481-84	G0ZZ00002183	PEAKING COIL	4	
L6591,92	G0ZZ00002183	PEAKING COIL	2	
L6602	G0ZZ00002183	PEAKING COIL	1	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L8004	J0JHC0000045	CHIP INDUCTOR	1	TH-42PD60B
L8008	J0JHC0000045	CHIP INDUCTOR	1	TH-42PD60B
L8026	J0JHC0000035	CHIP INDUCTOR	1	TH-42PD60B
L8031-33	J0JHC0000045	CHIP INDUCTOR	3	TH-42PD60B
L8037	J0JCC0000078	CHIP INDUCTOR	1	TH-42PD60B
L8038	J0JHC0000045	CHIP INDUCTOR	1	TH-42PD60B
L8042	J0JHC0000045	CHIP INDUCTOR	1	TH-42PD60B
L8046	ELJPA1R0MFB	INDUCTION COIL	1	TH-42PD60B
L8047	G1C680MA0173	INDUCTION COIL	1	TH-42PD60B PAVCCZ
L8048	G1C330MA0173	INDUCTION COIL	1	TH-42PD60B PAVCCZ
L8049	J0JHC0000045	CHIP INDUCTOR	1	TH-42PD60B
L8051	J0JCC0000241	CHIP INDUCTOR	1	TH-42PD60B
L8055	G1C100MA0077	INDUCTION COIL	1	TH-42PD60B
L8059	J0JHC0000045	CHIP INDUCTOR	1	TH-42PD60B
L8106	ELJFA2R7JBB	CHIP INDUCTOR	1	TH-42PD60B PAVCCZ
L8145	J0JHC0000045	CHIP INDUCTOR	1	TH-42PD60B
L8501	ELJNA2R7JFB	CHIP INDUCTOR	1	TH-42PD60B
L9500	G1C150KA0038	INDUCTION COIL	1	
L9501,02	J0JHC0000078	CHIP INDUCTOR	2	
L9800	G1C3R0MA0248	INDUCTION COIL	1	
L9801,02	G1C2R2MA0241	INDUCTION COIL	2	
L9810	J0JHC0000045	CHIP INDUCTOR	1	
PA2	K1KA05AA0192	5P CONNECTOR	1	
PA5	K1KA11AA0194	11P CONNECTOR	1	
PA10	K1KA06A00452	6P CONNECTOR	1	
PA20	K1MN40A00024	40P CONNECTOR	1	
PA40	K1KA20AA0009	20P CONNECTOR	1	
PA2100	K5H1622A0023	FUSE	1	
PA3100	K5H1622A0023	FUSE	1	
PA3104	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
PA9800	K5H4022A0023	FUSE	1	
PC6480	B3PBA0000223	IC	1	
PC6701-03	B3PBA0000397	IC	3	
PC6704	K7GBZEE00007	PHOTO COUPLER	1	
PC6705	B3PBA0000397	IC	1	
PC6760	B3PBA0000223	IC	1	
PC6801	B3PBA0000223	IC	1	
PC6861	B3PBA0000223	IC	1	
PC6871	B3PBA0000223	IC	1	
Q002	2SA207700L	TRANSISTOR	1	
Q1100,01	2SC584500L	TRANSISTOR	2	
Q1103	2SC584500L	TRANSISTOR	1	
Q1106,07	2SC584500L	TRANSISTOR	2	TH-42PD60B
Q1108	2SC584500L	TRANSISTOR	1	
Q1109,10	B1CBHD000002	FET	2	
Q1111	2SC584500L	TRANSISTOR	1	
Q1113-18	2SC584500L	TRANSISTOR	6	
Q1120-22	2SC584500L	TRANSISTOR	3	
Q1130	2SC584500L	TRANSISTOR	1	
Q1131	B1ABCF000138	TRANSISTOR	1	
Q1134	2SC584500L	TRANSISTOR	1	
Q1135	B1ABCF000138	TRANSISTOR	1	
Q1137-43	2SC584500L	TRANSISTOR	7	
Q2001-04	2SC584500L	TRANSISTOR	4	

Q2001-04	[illegible]	TRANSISTOR	4	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q2006,07	2SC584500L	TRANSISTOR	2	
Q2009,10	2SC584500L	TRANSISTOR	2	
Q2011	2SA207700L	TRANSISTOR	1	
Q2012	2SC584500L	TRANSISTOR	1	
Q2013	2SA207700L	TRANSISTOR	1	
Q2102-05	2SA207700L	TRANSISTOR	4	
Q2106	2SC584500L	TRANSISTOR	1	
Q2108	2SC584500L	TRANSISTOR	1	
Q2113,14	2SC584500L	TRANSISTOR	2	
Q2300	2SA207700L	TRANSISTOR	1	(PA)
Q2300	2SC584500L	TRANSISTOR	1	(H)
Q2301	2SD601A	TRANSISTOR	1	(H)
Q2301	2SD601A	TRANSISTOR	1	(PA)
Q2302	2SC584500L	TRANSISTOR	1	
Q2303	2SD601A	TRANSISTOR	1	
Q2306,07	2SA207700L	TRANSISTOR	2	
Q2314-17	2SC584500L	TRANSISTOR	4	
Q2510,11	2SD601A	TRANSISTOR	2	
Q2518	2SD601A	TRANSISTOR	1	TH-42PD60B
Q2519	2SB709A	TRANSISTOR	1	
Q3001	2SC584500L	TRANSISTOR	1	
Q3005	2SC584500L	TRANSISTOR	1	
Q3008	2SA207700L	TRANSISTOR	1	
Q3011	2SA207700L	TRANSISTOR	1	
Q3014,15	2SA207700L	TRANSISTOR	2	
Q3016	2SC584500L	TRANSISTOR	1	
Q3017	2SA207700L	TRANSISTOR	1	
Q3019-22	2SC584500L	TRANSISTOR	4	
Q3024	2SC584500L	TRANSISTOR	1	
Q3027-29	2SA207700L	TRANSISTOR	3	
Q4050	2SC584500L	TRANSISTOR	1	
Q4053	2SC584500L	TRANSISTOR	1	
Q4055-59	2SA207700L	TRANSISTOR	5	
Q4061-64	2SC584500L	TRANSISTOR	4	
Q4066,67	2SC584500L	TRANSISTOR	2	
Q4069	2SC584500L	TRANSISTOR	1	
Q4070	B1MBACA00008	TRANSISTOR	1	
Q4082	2SK1228	FET	1	
Q4918	B1ABCF000138	TRANSISTOR	1	
Q4919	2SC584500L	TRANSISTOR	1	
Q5601	B1DHDC000028	TRANSISTOR	1	
Q5602	2SD601A	TRANSISTOR	1	
Q5603	B1DHDC000028	TRANSISTOR	1	
Q5604,05	2SD601A	TRANSISTOR	2	
Q5610	2SD601A	TRANSISTOR	1	
Q5613	2SD601A	TRANSISTOR	1	
Q5614	2SK3065T100	FET	1	
Q5641-43	2SA207700L	TRANSISTOR	3	
Q5644	2SD601A	TRANSISTOR	1	
Q6001-03	2PG0010000RP	TRANSISTOR	3	
Q6021-23	2PG0010000RP	TRANSISTOR	3	
Q6041,42	2PG0010000RP	TRANSISTOR	2	
Q6051	2PG0010000RP	TRANSISTOR	1	
Q6101,02	B1DFKM000002	TRANSISTOR	2	
Q6111	2SK326800L	FET	1	
Q6112	B1DFKM000002	TRANSISTOR	1	
Q6141	B1ABNF000006	TRANSISTOR	1	

Q0141	[illegible]	TRANSISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q6142	B1ADNF000006	TRANSISTOR	1	
Q6146	B1ABNF000006	TRANSISTOR	1	
Q6147	B1ADNF000006	TRANSISTOR	1	
Q6212	2SD601A	TRANSISTOR	1	
Q6221	2SD1263A	TRANSISTOR	1	
Q6222	2SC1473A	TRANSISTOR	1	
Q6251	2SD601A	TRANSISTOR	1	
Q6401-03	2PG0010000RP	TRANSISTOR	3	
Q6421-23	2PG0020000RP	TRANSISTOR	3	
Q6441,42	2PG0010000RP	TRANSISTOR	2	
Q6451	2PG0020000RP	TRANSISTOR	1	
Q6471	B1CHGD000006	TRANSISTOR	1	
Q6511	B1ABNF000006	TRANSISTOR	1	
Q6512	B1ADNF000006	TRANSISTOR	1	
Q6516	B1ABNF000006	TRANSISTOR	1	
Q6517	B1ADNF000006	TRANSISTOR	1	
Q6581	2SD601A	TRANSISTOR	1	
Q6601	B1DFES000003	TRANSISTOR	1	
Q6602	2SD601A	TRANSISTOR	1	
Q6621,22	2SK399500L	FET	2	
Q6642-44	2SK399500L	FET	3	
Q6646-48	2SK399500L	FET	3	
Q6661	B1DEET000002	TRANSISTOR	1	
Q6662	2SD601A	TRANSISTOR	1	
Q6663	2SD2185	TRANSISTOR	1	
Q6671	B1DFES000003	TRANSISTOR	1	
Q6680	B1ADNF000006	TRANSISTOR	1	
Q6681,82	2SK389500L	FET	2	
Q6691	2SK620	FET	1	
Q6742,43	2SD601A	TRANSISTOR	2	
Q6744	2SK620	FET	1	
Q6762	B1ADNF000006	TRANSISTOR	1	
Q6782	B1ADNF000006	TRANSISTOR	1	
Q6791	2SD601A	TRANSISTOR	1	
Q6801	B1BAEJ000014	TRANSISTOR	1	
Q6802	2SB0709A	TRANSISTOR	1	
Q6803	2SD814A	TRANSISTOR	1	
Q6821	2SD1263A	TRANSISTOR	1	
Q6822	2SC3063	TRANSISTOR	1	
Q6824	2SD601A	TRANSISTOR	1	
Q6841	2SD1263A	TRANSISTOR	1	
Q6842	2SC1473A	TRANSISTOR	1	
Q6921	2SK620	FET	1	
Q8101	2SA207700L	TRANSISTOR	1	TH-42PD60B
Q8401,02	2SD601A	TRANSISTOR	2	TH-42PD60B
Q9010	2SD601A	TRANSISTOR	1	
Q9044	2SD601A	TRANSISTOR	1	
Q9046	2SD601A	TRANSISTOR	1	
Q9049	2SB709A	TRANSISTOR	1	
Q9050-54	2SD601A	TRANSISTOR	5	
Q9055-58	B1CBHD000002	FET	4	
Q9300-02	2SD601A	TRANSISTOR	3	
Q9500	B1CBHD000002	FET	1	
Q9800,01	B1MBEDA00015	TRANSISTOR	2	
Q9803	B1MBEDA00015	TRANSISTOR	1	
Q9805,06	2SD601A	TRANSISTOR	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R002	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R005	ERJ3EKF5600	M 560 OHM, 1/16W	1	
R008,09	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R010	ERJ3EKF4700	M 470 OHM, 1/16W	1	
R011	ERJ6GEYJ271	M 270 OHM,J,1/10W	1	
R012,13	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R014	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R1101	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1102,03	ERJ2GEJ102	M 1KOHM, J,0.063W	2	
R1105,06	ERJ2GEJ102	M 1KOHM, J,0.063W	2	
R1108-12	ERJ2GEJ101	M 100 OHM, J,0.063W	5	
R1113	ERJ2GEJ332	M 3.3KOHM, J,0.063W	1	
R1114	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1116	ERJ2GEJ562	M 5.6KOHM,J,0.063W	1	
R1117	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1118,19	EXB2HV680J	RESISTOR ARRAY	2	
R1121,22	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R1123	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1124,25	ERJ2GEJ332	M 3.3KOHM, J,0.063W	2	
R1128	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-42PD60B
R1129	ERJ2GEJ473	M 47KOHM,J,0.063W	1	TH-42PA60E
R1130	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1131,32	ERJ2GEJ101	M 100 OHM, J,0.063W	2	
R1133,34	ERJ2GEJ102	M 1KOHM, J,0.063W	2	
R1135	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R1140,41	ERJ2GEJ680	M 68 OHM, J,0.063W	2	
R1145	ERJ2GEJ101	M 100 OHM, J,0.063W	1	TH-42PD60B
R1146	ERJ2GEJ271	M 270 OHM, J,0.063W	1	
R1147,48	D1HG5608A002	NETWORK RESISTER	2	
R1149	EXB2HV680J	RESISTOR ARRAY	1	
R1150	ERJ2GEJ101	M 100 OHM, J,0.063W	1	TH-42PD60B
R1151	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1153	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1154,55	ERJ2GEJ472	M 4.7KOHM, J,0.063W	2	
R1156	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1157	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1158	ERJ2GEJ273	M 27KOHM ,J,0.063W	1	
R1159	ERJ2GEJ123X	M 12KOHM ,J,0.063W	1	
R1160	ERJ2GEJ473	M 47KOHM,J,0.063W	1	TH-42PA60E
R1162	ERJ2GEJ473	M 47KOHM,J,0.063W	1	TH-42PA60E
R1164	ERJ2GEJ123X	M 12KOHM ,J,0.063W	1	
R1165	ERJ2GEJ153	M 15KOHM ,J,0.063W	1	
R1166,67	ERJ2GEJ101	M 100 OHM, J,0.063W	2	TH-42PD60B
R1168,69	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R1174	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1175	ERJ2GEJ563	M 56KOHM ,J,0.063W	1	
R1176	ERJ2GEJ123X	M 12KOHM ,J,0.063W	1	
R1177	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1181	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1182	ERJ2GEJ683	M 68KOHM, J,0.063W	1	
R1183	EXB28V680JX	RESISTOR ARRAY	1	
R1184	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1187	EXB2HV680J	RESISTOR ARRAY	1	
R1188	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R1192	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R1197	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1199	ERJ2GEJ473	M 47KOHM,J,0.063W	1	

[illegible]	[illegible]	[illegible]	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R1200	EXB2HV680J	RESISTOR ARRAY	1	
R1203	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R1207	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1212	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1214	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R1215-17	ERJ2GEJ101	M 100 OHM, J,0.063W	3	
R1218	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R1220	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R1221	ERJ2GEJ332	M 3.3KOHM, J,0.063W	1	
R1222	ERJ2GEJ330	M 33 OHM, J,0.063W	1	
R1223	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R1224	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1225,26	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R1228	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R1229	ERJ2GEJ182	M 1.8KOHM, J,0.063W	1	
R1230	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R1231	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1232,33	ERJ2GEJ332	M 3.3KOHM, J,0.063W	2	
R1234	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1235,36	ERJ2GEJ272	M 2.7KOHM, J,0.063W	2	
R1238	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1239	ERJ3EKF1202	M 12KOHM, 1/16W	1	
R1240	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1241	ERJ2GEJ822	M 8.2KOHM, J,0.063W	1	
R1243	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R1246	ERJ2GEJ912	M 9.1KOHM, J,0.063W	1	
R1249	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1250	ERJ2GEJ224	M 220KOHM, J,0.063W	1	
R1251,52	EXB2HV101J	RESISTOR ARRAY	2	
R1256	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R1259	ERJ2GEJ101	M 100 OHM, J,0.063W	1	TH-42PD60B
R1263,64	ERJ2GEJ101	M 100 OHM, J,0.063W	2	
R1269	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1270,71	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R1275	ERJ3EKF7151	M7.15KOHM, 1/16W	1	
R1279,80	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R1281	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R1282	ERJ2GEJ153	M 15KOHM ,J,0.063W	1	
R1283	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1290	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R1292,93	ERJ2GEJ104	M 100KOHM, J,0.063W	2	TH-42PD60B
R1296,97	ERJ2GEJ473	M 47KOHM,J,0.063W	2	TH-42PD60B
R1298	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1299-02	ERJ2GE0R00	M 0.0 OHM, J,0.063W	4	TH-42PA60E
R1303-06	ERJ2GEJ220	M 22 OHM, J,0.063W	4	TH-42PD60B
R1307	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1308	ERJ2GEJ273	M 27KOHM ,J,0.063W	1	
R1309-12	ERJ2GEJ220	M 22 OHM, J,0.063W	4	
R1313,14	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R1315	ERJ2GEJ333	M 33KOHM, J,0.063W	1	
R1316	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R1318,19	ERJ2GEJ512X	M5.12KOHM, J,0.063W	2	
R1321	ERJ2GEJ153	M 15KOHM ,J,0.063W	1	
R1322	ERJ2GEJ100	M 10 OHM, J,0.063W	1	
R1323,24	ERJ2GEJ823	M 82KOHM, J,0.063W	2	
R1325,26	ERJ2GEJ104	M 100KOHM, J,0.063W	2	
R1327,28	ERJ2GEJ683	M 68KOHM, J,0.063W	2	

[illegible]	[illegible]	[illegible]	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R1329,30	ERJ2GEJ473	M 47KOHM,J,0.063W	2	
R1331,32	ERJ2GEJ104	M 100KOHM, J,0.063W	2	
R1333	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1334	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1335	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1336	ERJ2GEJ225	M 1MOHM, J,0.063W	1	
R1337	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R1340	ERJ2GEJ473	M 47KOHM,J,0.063W	1	TH-42PA60E
R1341	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1344	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1346	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1350	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1352	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1353	ERJ2GEJ223	M 22KOHM, J,0.063W	1	
R1355	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1358	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1359	ERJ2GEJ224	M 220KOHM, J,0.063W	1	
R1360	ERJ2GEJ221	M 220 OHM, J,0.063W	1	
R1361	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1363	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1364	ERJ2GEJ273	M 27KOHM ,J,0.063W	1	
R1365	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1367	ERJ2GEJ333	M 33KOHM, J,0.063W	1	
R1368	ERJ2GEJ183	M 18KOHM ,J,0.063W	1	
R1369	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1370	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1372	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1373	ERJ2GEJ683	M 68KOHM, J,0.063W	1	
R1375	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1376	ERJ2GEJ273	M 27KOHM ,J,0.063W	1	
R1377	ERJ8GEY0R00	M 0 OHM, 1/8W	1	
R1378	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R1379	ERJ2GEJ331	M 330 OHM, J,0.063W	1	
R1380	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1381	ERJ2GEJ474	M 470KOHM, J,0.063W	1	
R1384	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1389	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1391,92	ERJ2GEJ473	M 47KOHM,J,0.063W	2	
R1408	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1410	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R1411	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R1412,13	ERJ2GEJ104	M 100KOHM, J,0.063W	2	
R1414	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1426-32	ERJ8GEY0R00	M 0 OHM, 1/8W	7	
R1436,37	ERJ2GEJ561	M 60 OHM, J,0.063W	2	
R1439	ERJ2GEJ271	M 270 OHM, J,0.063W	1	
R1441	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1446,47	ERJ2GEJ471	M 470 OHM, J,0.063W	2	
R1448,49	ERJ2GEJ473	M 47KOHM,J,0.063W	2	
R1451	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1452	ERJ2GEJ473	M 47KOHM,J,0.063W	1	TH-42PA60E
R1454	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1458,59	ERJ2GEJ101	M 100 OHM, J,0.063W	2	
R1466	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R1467	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1470	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R1472,73	ERJ2GEJ301	M 300 OHM, J,0.063W	2	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R1474	ERJ8GEY0R00	M 0 OHM, 1/8W	1	
R1475	ERJ2GEJ271	M 270 OHM, J,0.063W	1	
R1478	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R1479	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1480	ERJ2GEJ473	M 47KOHM,J,0.063W	1	TH-42PA60E
R1489	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R1490	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PA60E
R1491	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PD60B
R1526	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R1530,31	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R1554,55	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R1556	ERJ2GEJ331	M 330 OHM, J,0.063W	1	
R2005	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R2006-11	ERJ6GEYJ223	M 22KOHM,J,1/10W	6	
R2012	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R2013,14	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	2	
R2015,16	ERJ3GEYJ331	M 330 OHM,J,1/16W	2	
R2018,19	ERJ3GEYJ104	M 100KOHM,J,1/16W	2	
R2023	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R2027,28	ERJ3GEYJ104	M 100KOHM,J,1/16W	2	
R2031	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R2033	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R2035,36	ERJ3GEYJ104	M 100KOHM,J,1/16W	2	
R2038	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R2040	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R2042	ERJ3GEYJ105	M 1MOHM,J,1/16W	1	
R2043	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R2044	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R2045,46	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R2048	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R2049,50	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R2051,52	ERJ6GEYJ184	M 180KOHM,J,1/10W	2	
R2053	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R2054	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2101,02	ERJ3GEYJ331	M 330 OHM,J,1/16W	2	
R2103	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R2113,14	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R2116	J0JCC0000241	CHIP INDUCTOR	1	
R2124,25	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R2126,27	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R2130	ERJ3EKF1002	M 10KOHM, 1/16W	1	
R2131	ERJ3EKF8201	M 8.2KOHM, 1/16W	1	
R2132	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R2133	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2135,36	ERJ3GEYJ331	M 330 OHM,J,1/16W	2	
R2137	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R2138	ERJ3EKF1002	M 10KOHM, 1/16W	1	
R2147	ERJ3EKF1002	M 10KOHM, 1/16W	1	
R2148,49	ERJ3EKF6342	M6.34KOHM, 1/16W	2	
R2152	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R2153	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2154	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R2155,56	ERJ3GEYJ221	M 220 OHM,J,1/16W	2	
R2158	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2161	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R2163	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R2164	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2165,66	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R2167	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2168,69	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R2170-77	ERJ3GEYJ221	M 220 OHM,J,1/16W	8	
R2181	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2182,83	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R2184-87	ERJ3GEYJ221	M 220 OHM,J,1/16W	4	
R2188	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2190	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2192,93	ERJ3GEYJ221	M 220 OHM,J,1/16W	2	
R2195,96	ERJ3GEYJ104	M 100KOHM,J,1/16W	2	
R2197	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R2199,00	ERJ3GEYJ221	M 220 OHM,J,1/16W	2	
R2202	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R2204	ERJ6GEYJ561	M 560 OHM,J,1/10W	1	
R2208	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R2209	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R2210	ERJ6GEYJ122	M 1.2KOHM,J,1/10W	1	
R2211	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2213	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2214	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R2215	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2224,25	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R2234,35	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R2236	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R2237	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2238,39	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R2246	ERJ3EKF3602	M 36KOHM, 1/16W	1	
R2302	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R2303	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R2304	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R2305	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R2306	ERJ6GEYJ821	M 820 OHM,J,1/10W	1	
R2307	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R2310	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(PA)
R2310	ERJ3GEYJ184	M 180KOHM,J,1/16W	1	(H)
R2311	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(PA)
R2311	ERJ6GEYJ182	M 1.8KOHM,J,1/10W	1	(H)
R2312	ERJ3EKF1002	M 10KOHM, 1/16W	1	
R2323,24	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R2325	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2329	ERJ3EKF1003	M 100KOHM, 1/16W	1	
R2332	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2338	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2341	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2349	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R2354	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R2357	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2359	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R2360	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2361	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R2363	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R2364	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R2365	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R2366	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R2368	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2369	ERJ3GEYJ183	M 18KOHM,J,1/16W	1	

[illegible]	[illegible]	[illegible]	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2372,73	ERJ6GEYJ681	M 680 OHM,J,1/10W	2	
R2375	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R2376	ERJ3EKF1002	M 10KOHM, 1/16W	1	
R2379,80	ERJ6ENF2201	M 2.2KOHM, 1/10W	2	
R2383	ERJ3EKF3301	M 3.3KOHM, 1/16W	1	
R2384	ERJ3EKF1151	M1.15KOHM, 1/16W	1	
R2387	ERJ3EKF1151	M1.15KOHM, 1/16W	1	
R2388	ERJ3EKF3301	M 3.3KOHM, 1/16W	1	(PA)
R2388,89	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	(H)
R2390	ERJ3GEYJ203	M 20KOHM,J,1/16W	1	
R2391	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2392	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R2393	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2396	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R2397	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	(H)
R2397	ERJ6GEY0R00	M 0 OHM, 1/10W	1	(PA)
R2398	ERJ3GEYJ123	M 12KOHM,J,1/16W	1	(H)
R2398	ERJ6GEY0R00	M 0 OHM, 1/10W	1	(PA)
R2399	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R2400	ERJ6GEYJ182	M 1.8KOHM,J,1/10W	1	
R2401,02	ERJ3GEYJ331	M 330 OHM,J,1/16W	2	
R2403	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R2404,05	ERJ3GEYJ331	M 330 OHM,J,1/16W	2	
R2406	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R2407	ERJ3EKF1241	M1.24KOHM, 1/16W	1	
R2408	ERJ3EKF1071	M1.07KOHM, 1/16W	1	
R2409	ERJ3EKF1621	M1.62KOHM, 1/16W	1	
R2410	ERJ3EKF7870	M 787 OHM, 1/16W	1	
R2421	ERJ3EKF1621	M1.62KOHM, 1/16W	1	
R2422	ERJ3EKF7870	M 787 OHM, 1/16W	1	
R2516	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R2517	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R2520	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R2521	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	TH-42PD60B
R2524	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R2525	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R2526	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R2538	ERJ6ENF2871	M2.87KOHM, 1/10W	1	TH-42PD60B
R2540	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	TH-42PD60B
R2542	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R2545	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R2550	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2552	ERJ6GEY0R00	M 0 OHM, 1/10W	1	TH-42PD60B
R2553	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R2557	ERJ6ENF9760	M 976 OHM, 1/10W	1	
R2559,60	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R3001,02	ERJ6ENF1500	M 150 OHM, 1/10W	2	
R3003-05	ERJ6ENF75R0	M 75 OHM, 1/10W	3	
R3006-08	ERJ6ENF1500	M 150 OHM, 1/10W	3	
R3009-15	ERJ6ENF75R0	M 75 OHM, 1/10W	7	
R3016,17	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R3018,19	ERJ6GEYJ680	M 68 OHM,J,1/10W	2	
R3020-22	ERJ6ENF2202	M 2.2KOHM, 1/10W	3	
R3023,24	ERJ6ENF1202	M 12KOHM, 1/10W	2	
R3025	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R3026	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R3027,28	ERJ6ENF1500	M 150 OHM, 1/10W	2	

[illegible]	[illegible]	[illegible]	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3030-32	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R3033,34	ERJ6ENF1500	M 150 OHM, 1/10W	2	
R3036	ERJ6ENF1500	M 150 OHM, 1/10W	1	
R3041,42	ERJ3GEYJ182	M 1.8KOHM,J,1/16W	2	
R3043	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R3044,45	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R3048	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R3049	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3050	ERJ3GEYJ242	M 2.4KOHM,J,1/16W	1	
R3051	ERJ3GEYJ682	M 6.8KOHM,J,1/16W	1	
R3052	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3057,58	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R3059-61	ERJ3GEYJ221	M 220 OHM,J,1/16W	3	
R3064	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3074,75	ERJ3GEYJ221	M 220 OHM,J,1/16W	2	
R3076	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3077	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3078	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3086-88	ERJ3GEYJ221	M 220 OHM,J,1/16W	3	
R3089,90	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R3092	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3094-01	ERJ3GEYJ221	M 220 OHM,J,1/16W	8	
R3102	ERJ3GEYJ682	M 6.8KOHM,J,1/16W	1	
R3103	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R3105	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R3107	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R3109	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R3111-14	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R3115	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3118	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3121	ERJ3EKF1300V	M 130 OHM, 1/16W	1	
R3122	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3123	ERJ3EKF1000	M 100 OHM, 1/16W	1	
R3125	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3126	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3127	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3130,31	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R3132,33	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R3134	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R3136	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R3138	ERJ3EKF1000	M 100 OHM, 1/16W	1	
R3139	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3140	ERJ3EKF1300V	M 130 OHM, 1/16W	1	
R3141	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3143	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R3144	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3145	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R3146	ERJ3GEYJ361	M 360 OHM,J,1/16W	1	
R3149	ERJ3GEYJ361	M 360 OHM,J,1/16W	1	
R3150	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R3151	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3152	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R3153,54	ERJ3GEYJ361	M 360 OHM,J,1/16W	2	
R3155	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R3156	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3157	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R3158,59	ERJ3GEYJ361	M 360 OHM,J,1/16W	2	

[illegible]	[illegible]	[illegible]	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3160,61	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R3163	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R3206	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3213-15	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R3222	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3224	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3227-29	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R3238	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3239	ERJ3GEYJ683	M 68KOHM,J,1/16W	1	
R3243-49	ERJ3GEY0R00	M 0 OHM, 1/16W	7	
R3250-53	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	4	
R3320	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3323,24	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R3750	ERJ6ENF1432	M14.3KOHM, 1/10W	1	
R3751	ERJ6ENF6651	M6.65KOHM, 1/10W	1	
R3752	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3753	ERJ6ENF1741	M1.74KOHM, 1/10W	1	
R3754	ERJ6ENF7151	M7.15KOHM, 1/10W	1	
R3757	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R4001	ERJ3EKF1211	M1.21KOHM, 1/16W	1	
R4004	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4008	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4010	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4018	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-42PA60E
R4019	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4021	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4022	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R4024,25	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R4026	ERJ2GEJ102	M 1KOHM, J,0.063W	1	
R4029	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4031	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4033	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4037-39	D1HG1038A002	NETWORK RESISTER	3	
R4040,41	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R4045,46	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R4047	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4257	ERJ3EKF3302	M 33KOHM, 1/16W	1	
R4265	ERJ3EKF3242	M32.4KOHM, 1/16W	1	
R4269	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4271,72	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R4286,87	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	
R4293	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4338-43	ERJ2GE0R00	M 0.0 OHM, J,0.063W	6	
R4457	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4465	ERJ2GEJ224	M 220KOHM, J,0.063W	1	
R4469,70	ERJ3EKF1500	M 150 OHM, 1/16W	2	
R4472	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PD60B
R4474	ERJ3EKF1211	M1.21KOHM, 1/16W	1	
R4479,80	ERJ3EKF4220	M 422 OHM, 1/10W	2	
R4481	ERJ3EKF2201	M 2.2KOHM, 1/16W	1	
R4482,83	ERJ3EKF1781	M1.78KOHM, 1/16W	2	
R4486	ERJ3EKF4870	M 487 OHM, 1/16W	1	
R4487	ERJ3EKF5600	M 560 OHM, 1/16W	1	
R4488	ERJ3EKF2201	M 2.2KOHM, 1/16W	1	
R4490	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R4492	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R4495	ERJ3EKF4302	M 43KOHM, 1/16W	1	

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Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R4496-99	ERJ6GEYJ102	M 1KOHM,J,1/10W	4	
R4500	ERJ3EKF2702V	M27.0KOHM, 1/16W	1	
R4501,02	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R4503	ERJ3EKF1600	M 160 OHM, 1/16W	1	
R4505	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4506	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4508-11	ERJ2GE0R00	M 0.0 OHM, J,0.063W	4	
R4513	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4517	ERJ3EKF1371	M 13.7 OHM, 1/16W	1	
R4520	ERJ3EKF1691	M1.69KOHM, 1/16W	1	
R4521,22	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R4527	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4533	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4540	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4542	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4544	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4550	EXB28V220J	RESISTOR ARRAY	1	
R4552	EXB28V220J	RESISTOR ARRAY	1	
R4554	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4555	EXB28V220J	RESISTOR ARRAY	1	
R4560,61	EXB28V220J	RESISTOR ARRAY	2	
R4563-65	ERJ2GEJ220	M 22 OHM, J,0.063W	3	
R4568	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R4572	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4575	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R4577-79	ERJ2GEJ222	M 2.2KOHM, J,0.063W	3	
R4584	ERJ2GEJ390	M 39 OHM, J,0.063W	1	
R4597-04	ERJ2GEJ2R7X	M 2.7OHM, J,0.063W	8	
R4606	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4607	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4609	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4613	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R4618	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R4621	ERJ2GEJ473	M 47KOHM,J,0.063W	1	
R4622	ERJ2GEJ560	M 56 OHM, J,0.063W	1	
R4626	ERJ2GEJ560	M 56 OHM, J,0.063W	1	
R4628	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4629-32	ERJ2GEJ472	M 4.7KOHM, J,0.063W	4	
R4634	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4636	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4637	ERJ2GEJ330	M 33 OHM, J,0.063W	1	
R4639	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4640	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4641	EXB28V330J	RESISTOR ARRAY	1	
R4642-45	ERJ2GEJ220	M 22 OHM, J,0.063W	4	
R4647	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4648	ERJ2GEJ330	M 33 OHM, J,0.063W	1	
R4655	ERJ2GEJ330	M 33 OHM, J,0.063W	1	
R4657	ERJ2GEJ182	M 1.8KOHM, J,0.063W	1	
R4658	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4660	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4661	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R4662	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4665	EXB2HV220JV	RESISTOR ARRAY	1	
R4667	EXB2HV220JV	RESISTOR ARRAY	1	
R4668	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R4669	EXB2HV220JV	RESISTOR ARRAY	1	

[illegible]	[illegible]	RESISTOR ARRAY	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R4672,73	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R4675	ERJ3EKF1802	M 18KOHM, 1/16W	1	
R4677	ERJ3EKF1802	M 18KOHM, 1/16W	1	
R4679,80	ERJ3EKF2202	M 22KOHM, 1/16W	2	
R4681,82	ERJ3EKF3302	M 33KOHM, 1/16W	2	
R4701	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R4706	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4708,09	ERJ2GEJ680	M 68 OHM, J,0.063W	2	
R4710	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4711	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4712	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4713,14	EXB2HV221JV	RESISTOR ARRAY	2	
R4715	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4718-20	ERJ2GEJ680	M 68 OHM, J,0.063W	3	
R4727	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4729,30	ERJ3EKF1000	M 100 OHM, 1/16W	2	
R4731	ERJ3EKF1001	M 1KOHM, 1/16W	1	
R4732	ERJ3EKF4751	M4.75KOHM, 1/16W	1	
R4733	ERJ3EKF75R0	M 0.75HM, 1/16W	1	
R4735	ERJ3EKF2001	M 2KOHM, 1/16W	1	
R4737	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4738,39	ERJ2GEJ332	M 3.3KOHM, J,0.063W	2	
R4743-47	ERJ2GEJ680	M 68 OHM, J,0.063W	5	
R4749,50	EXB2HV680J	RESISTOR ARRAY	2	
R4751-54	ERJ2GEJ220	M 22 OHM, J,0.063W	4	
R4756-60	ERJ2GEJ680	M 68 OHM, J,0.063W	5	
R4762	EXB2HV680J	RESISTOR ARRAY	1	
R4763-65	ERJ2GE0R00	M 0.0 OHM, J,0.063W	3	
R4772	EXB2HV470JV	RESISTOR ARRAY	1	
R4773	ERJ2GEJ470	M 47 OHM, J,0.063W	1	
R4774	EXB2HV470JV	RESISTOR ARRAY	1	
R4775	ERJ2GEJ470	M 47 OHM, J,0.063W	1	
R4776	EXB2HV470JV	RESISTOR ARRAY	1	
R4777	ERJ2GEJ470	M 47 OHM, J,0.063W	1	
R4778	EXB2HV470JV	RESISTOR ARRAY	1	
R4779	ERJ2GEJ470	M 47 OHM, J,0.063W	1	
R4782	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4783	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R4784	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4785	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R4788	EXB2HV470JV	RESISTOR ARRAY	1	
R4791,92	ERJ2GEJ470	M 47 OHM, J,0.063W	2	
R4793,94	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R4796	EXB2HV470JV	RESISTOR ARRAY	1	
R4804	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R4805,06	ERJ3EKF1001	M 1KOHM, 1/16W	2	
R4807-11	ERJ2GE0R00	M 0.0 OHM, J,0.063W	5	
R4814	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4816,17	ERJ2GEJ223	M 22KOHM, J,0.063W	2	
R4819	ERJ2GEJ223	M 22KOHM, J,0.063W	1	
R4822	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4823-25	J0JAD0000025	CHIP INDUCTOR	3	
R4826,27	EXB2HVR000	RESISTOR ARRAY	2	TH-42PD60B
R4830,31	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	TH-42PD60B
R4837	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4838	ERJ2GEJ112	M 1.1KOHM, J,0.063W	1	
R4840	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PD60B

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Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R4891	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	
R4898	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4960	EXB2HV680J	RESISTOR ARRAY	1	
R4961-63	ERJ2GEJ680	M 68 OHM, J,0.063W	3	
R4964	EXB2HV680J	RESISTOR ARRAY	1	
R4965,66	ERJ2GEJ680	M 68 OHM, J,0.063W	2	
R4967	EXB2HV680J	RESISTOR ARRAY	1	
R4968-72	ERJ2GEJ680	M 68 OHM, J,0.063W	5	
R5601	ERJ3EKF1800	M 180 OHM, 1/16W	1	
R5603	ERJ3EKF1542	M15.4KOHM, 1/16W	1	
R5605	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R5606	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R5607	ERJ3EKF4531	M4.53KOHM, 1/16W	1	
R5609	ERJ3EKF2000	M 200 OHM, 1/16W	1	
R5611	ERJ6ENF8202	M 82KOHM, 1/10W	1	
R5612	ERJ6ENF1602	M 16KOHM, 1/10W	1	
R5615	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R5617	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R5619	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R5620	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R5621	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R5625-27	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	3	
R5632	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R5633	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R5634	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R5635	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R5637,38	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R5639	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R5640	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R5641	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R5642	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R5643	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R5644	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R5645	ERJ3EKF2201	M 2.2KOHM, 1/16W	1	
R5646	ERJ3EKF4701	M 4.7KOHM, 1/16W	1	
R5647	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R5648	ERJ3GEYJ392	M 3.9KOHM,J,1/16W	1	
R5649	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R5650	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R5652	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R5653,54	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R5659	ERJ3EKF4700	M 470 OHM, 1/16W	1	
R5660	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R5662	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R5664	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R5665	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R5667-69	ERJ3GEYJ473	M 47KOHM,J,1/16W	3	
R5672	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R5676	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R5692	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R5693	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R5694	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R5695	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R6001-06	ERJ14YJ150U	M 15 OHM, J,1/4W	6	
R6020	ERG2FJS101D	M 100 OHM, J, 2W	1	
R6021	ERJ14YJ150U	M 15 OHM, J,1/4W	1	
R6022	ERG2FJS101D	M 100 OHM, J, 2W	1	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6023-27	ERJ14YJ150U	M 15 OHM, J,1/4W	5	
R6031	ERJ14YJ204	M 200KOHM, J,1/4W	1	
R6041-44	ERJ14YJ150U	M 15 OHM, J,1/4W	4	
R6051,52	ERJ14YJ150U	M 15 OHM, J,1/4W	2	
R6061,62	ERJ6GEYJ224	M 220KOHM,J,1/10W	2	
R6101-04	ERJ6GEYJ101	M 100 OHM,J,1/10W	4	
R6111,12	ERJ6GEYJ470	M 47 OHM,J,1/10W	2	
R6113	ERJ14YJ224	M 220KOHM, J,1/4W	1	
R6131,32	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6133,34	ERJ6GEYJ151	M 150 OHM,J,1/10W	2	
R6135,36	ERJ6GEYJ100	M 10 OHM,J,1/10W	2	
R6141,42	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6146,47	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6151,52	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6153,54	ERJ6GEYJ151	M 150 OHM,J,1/10W	2	
R6155	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6157,58	D0GF1R0JA047	M 1.0 OHM,J, 0.33W	2	
R6160	D0GF1R0JA047	M 1.0 OHM,J, 0.33W	1	
R6166	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6173	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6174	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6191-94	ERJ6GEYJ101	M 100 OHM,J,1/10W	4	
R6195,96	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R6213	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6214	D0GD151JA036	M 150 OHM,J,0.25W	1	
R6215	D0GF910JA047	M 91 OHM,J, 0.33W	1	
R6216	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6217	D0GF910JA047	M 91 OHM,J, 0.33W	1	
R6222	ERG1FJS103D	M 10KOHM, J, 1W	1	
R6223	ERG2FJS123D	M 12KOHM, J, 2W	1	
R6225-27	ERJ6ENF2202	M 2.2KOHM, 1/10W	3	
R6232	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6233-35	ERJ6GEYJ273	M 27KOHM,J,1/10W	3	
R6236	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R6241	EXB38V470J	RESISTOR ARRAY	1	
R6242	EXB38V472J	RESISTOR ARRAY	1	
R6243	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6244	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6245	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6246	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6251	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6252,53	ERJ6ENF3902	M 39KOHM, 1/10W	2	
R6254	ERJ6ENF7501	M 7.5KOHM, 1/10W	1	
R6255,56	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	2	
R6257	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6258	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6261	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6401-06	ERJ14YJ150U	M 15 OHM, J,1/4W	6	
R6421-26	ERJ14YJ150U	M 15 OHM, J,1/4W	6	
R6441-44	ERJ14YJ150U	M 15 OHM, J,1/4W	4	
R6451,52	ERJ14YJ150U	M 15 OHM, J,1/4W	2	
R6465	ERJ14YJ204	M 200KOHM, J,1/4W	1	
R6471	ERJ6GEYJ392	M 3.9KOHM,J,1/10W	1	
R6472	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6473	ERJ6GEYJ561	M 560 OHM,J,1/10W	1	
R6474	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6475,76	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	2	

[illegible]	[illegible]	[illegible]	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6477	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6478	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6479	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6501,02	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6503	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6504,05	ERJ6GEYJ151	M 150 OHM,J,1/10W	2	
R6506	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6507,08	D0GF1R0JA047	M 1.0 OHM,J, 0.33W	2	
R6511,12	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6516,17	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6521,22	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6523,24	ERJ6GEYJ151	M 150 OHM,J,1/10W	2	
R6525	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6526	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6533	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6534	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6561-64	EXB38V470J	RESISTOR ARRAY	4	
R6565-68	EXB38V472J	RESISTOR ARRAY	4	
R6581	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6582,83	ERJ6ENF3902	M 39KOHM, 1/10W	2	
R6584	ERJ6ENF7501	M 7.5KOHM, 1/10W	1	
R6585,86	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	2	
R6587	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6588	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6590	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R6591	EXB38V472J	RESISTOR ARRAY	1	
R6592	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6603	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6604	D0GD151JA036	M 150 OHM,J,0.25W	1	
R6605	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6606	ERJ6ENF2741	M2.74KOHM, 1/10W	1	
R6608,09	D0GF102JA047	M 1.0 KOHM,J,0.33W	2	
R6610	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6611	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R6612	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6613	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R6620	D0D28R2JA021	M 8.2 OHM,J,5W	1	
R6621,22	ERJ6GEYJ221	M 220 OHM,J,1/10W	2	
R6642-44	ERJ6GEYJ100	M 10 OHM,J,1/10W	3	
R6646-48	ERJ6GEYJ100	M 10 OHM,J,1/10W	3	
R6658	D0D1101JA009	M 100 OHM,J,1W	1	
R6659,60	ERJ6GEYJ224	M 220KOHM,J,1/10W	2	
R6661	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6662	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6663	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6664	D0GF222JA047	M 2.2 KOHM,J,0.33W	1	
R6665	ERJ14YJ470	M 47 OHM,J, 1/2W	1	
R6666	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6667,68	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	2	
R6671	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6672	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6673	D0GD5R6JA059	M 5.6 OHM,J,0.25W	1	
R6681,82	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6683	D0GD151JA036	M 150 OHM,J,0.25W	1	
R6684	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6685	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R6686	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6687	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6688	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6689	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6690	ERJ6GEYJ151	M 150 OHM,J,1/10W	1	
R6691	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6696,97	D0D32R2JA020	M 2.2 OHM,J,5W	2	
R6700-08	ERJ6GEYJ471	M 470 OHM,J,1/10W	9	
R6710-18	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	9	
R6721,22	EXB38V220J	RESISTOR ARRAY	2	
R6723	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6742	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6743	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6744	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6745	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6746,47	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6755	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6756-58	D0GD101JA059	M 100 OHM,J,0.25W	3	
R6759	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6760	ERJ6GEYJ122	M 1.2KOHM,J,1/10W	1	
R6761	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6762	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6775,76	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6777	D0GD151JA036	M 150 OHM,J,0.25W	1	
R6781	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6782	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6791	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6792	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6793	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6806	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R6807	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R6808	ERG2FJS330D	M 33 OHM, J, 2W	1	
R6809	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6810,11	ERJ6GEYJ433	M 43KOHM,J,1/10W	2	
R6812	ERJ6ENF2743	M 274KOHM, 1/10W	1	
R6813	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R6814	ERJ6ENF6981	M6.98KOHM, 1/10W	1	
R6815	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6816	ERJ6ENF1432	M14.3KOHM, 1/10W	1	
R6817	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R6821	D0D2221JA021	M 220 OHM,J,2W	1	
R6822,23	ERJ12YJ104U	M 100KOHM, 1/2W	2	
R6824	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R6825	ERJ6ENF2003	M 200KOHM, 1/10W	1	
R6826	ERJ6ENF2703	M 270KOHM, 1/10W	1	
R6827	ERJ6ENF1432	M14.3KOHM, 1/10W	1	
R6828	ERJ6ENF5231	M5.23KOHM, 1/10W	1	
R6829,30	ERJ6GEYJ154	M 150KOHM,J,1/10W	2	
R6831	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6833	ERJ6ENF5602	M 56KOHM, 1/10W	1	
R6834	ERJ6ENF5102	M 51KOHM, 1/10W	1	
R6835	ERJ6ENF5602	M 56KOHM, 1/10W	1	
R6836	ERJ6ENF5102	M 51KOHM, 1/10W	1	
R6837	ERJ6ENF4702	M 47KOHM, 1/10W	1	
R6839	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6841	ERJ12YJ103	M 10KOHM,J, 1/2W	1	
R6842	ERJ14YJ103	M 10KOHM, J,1/4W	1	
R6843	ERJ6GEYJ513	M 51KOHM,J,1/10W	1	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6844	D0D2101JA021	M 100 OHM,J,2W	1	
R6845	ERJ6GEYJ513	M 51KOHM,J,1/10W	1	
R6846,47	ERJ6GEYJ563	M 56KOHM,J,1/10W	2	
R6848	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6849	ERJ6ENF5902	M 59KOHM, 1/10W	1	
R6850	ERJ6ENF6202	M 62KOHM, 1/10W	1	
R6851	ERJ6ENF1501	M 1.5KOHM, 1/10W	1	
R6852	ERJ6ENF2491	M2.49KOHM, 1/10W	1	
R6853	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6860	D0D28R2JA021	M 8.2 OHM,J,5W	1	
R6861	ERJ6ENF3902	M 39KOHM, 1/10W	1	
R6862,63	ERJ6ENF4702	M 47KOHM, 1/10W	2	
R6864	ERJ6ENF9101	M 9.1KOHM, 1/10W	1	
R6865	ERJ6GEYJ182	M 1.8KOHM,J,1/10W	1	
R6866	ERJ6ENF1501	M 1.5KOHM, 1/10W	1	
R6867	ERJ6GEYJ392	M 3.9KOHM,J,1/10W	1	
R6868	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R6869	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6871-73	ERJ6ENF3902	M 39KOHM, 1/10W	3	
R6874	ERJ6ENF9101	M 9.1KOHM, 1/10W	1	
R6875	ERJ6ENF3301	M 3.3KOHM, 1/10W	1	
R6876	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6877	ERJ6GEYJ392	M 3.9KOHM,J,1/10W	1	
R6878	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R6879	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6886-88	ERJ6GEYJ224	M 220KOHM,J,1/10W	3	
R6901	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6902-04	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R6908,09	ERJ6GEYJ221	M 220 OHM,J,1/10W	2	
R6916	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R6921,22	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R6923	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6931-34	ERJ6GEYJ103	M 10KOHM,J,1/10W	4	
R6935,36	ERJ8GEYJ224	M 220KOHM, J,1/8W	2	
R6951	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6952-54	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R6958,59	ERJ6GEYJ221	M 220 OHM,J,1/10W	2	
R6966	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R6981-84	ERJ6GEYJ103	M 10KOHM,J,1/10W	4	
R6985,86	ERJ8GEYJ224	M 220KOHM, J,1/8W	2	
R7111	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R7112,13	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R7114	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R7115	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R7116,17	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R7118	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R7120-24	EXB38V470J	RESISTOR ARRAY	5	
R7127	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7129-32	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7133	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7136	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7138-41	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7142	EXB38V102J	RESISTOR ARRAY	1	
R7143	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7146	EXB38V470J	RESISTOR ARRAY	1	
R7147-52	EXB38V102J	RESISTOR ARRAY	6	
R7154	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R7156-59	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7160	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7164,65	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R7169	EXB38V470J	RESISTOR ARRAY	1	
R7201-07	EXB38V470J	RESISTOR ARRAY	7	
R7208-10	ERJ3GEYJ470	M 47 OHM,J,1/16W	3	
R7212-15	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7216	EXB38V470J	RESISTOR ARRAY	1	
R7217	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7219	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R7221	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7223-26	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7227	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7229	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7231	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7232-35	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7236	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7237-42	EXB38V102J	RESISTOR ARRAY	6	
R7245	EXB38V102J	RESISTOR ARRAY	1	
R7246-49	ERJ3GEYJ220	M 22 OHM,J,1/16W	4	
R7250,51	EXB38V470J	RESISTOR ARRAY	2	
R7255,56	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R7257	EXB38V102J	RESISTOR ARRAY	1	
R7259	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7261-64	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7265	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7268	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R7269	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R7270	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R8001	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-42PD60B
R8002	ERJ2GEJ272	M 2.7KOHM, J,0.063W	1	TH-42PD60B
R8003,04	ERJ2GEJ181	M 180 OHM, J,0.063W	2	TH-42PD60B
R8006	ERJ8GEY0R00	M 0 OHM, 1/8W	1	TH-42PD60B
R8008	ERJ2GEJ102	M 1KOHM, J,0.063W	1	TH-42PD60B
R8010-12	ERJ2GEJ103	M 10KOHM, J,0.063W	3	TH-42PD60B
R8014,15	ERJ2GEJ103	M 10KOHM, J,0.063W	2	TH-42PD60B
R8017,18	ERJ3GEY0R00	M 0 OHM, 1/16W	2	TH-42PD60B
R8020-22	ERJ2GEJ103	M 10KOHM, J,0.063W	3	TH-42PD60B
R8027	D1HG5608A002	NETWORK RESISTER	1	TH-42PD60B
R8028-30	ERJ2GEJ560	M 56 OHM, J,0.063W	3	TH-42PD60B
R8033	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	TH-42PD60B
R8034,35	ERJ3GEY0R00	M 0 OHM, 1/16W	2	TH-42PD60B
R8036	ERJ3GEYJ163	M 16KOHM,J,1/16W	1	TH-42PD60B
R8038	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-42PD60B
R8039,40	ERJ2GEJ472	M 4.7KOHM, J,0.063W	2	TH-42PD60B
R8041	ERJ2GEJ154	M 150KOHM, J,0.063W	1	TH-42PD60B
R8046	ERJ2GEJ330	M 33 OHM, J,0.063W	1	TH-42PD60B
R8047-50	ERJ2GEJ101	M 100 OHM, J,0.063W	4	TH-42PD60B
R8051	EXB38V330J	RESISTOR ARRAY	1	TH-42PD60B
R8052-55	ERJ2GEJ103	M 10KOHM, J,0.063W	4	TH-42PD60B
R8056	ERJ2GEJ330	M 33 OHM, J,0.063W	1	TH-42PD60B
R8057	ERJ2GEJ680	M 68 OHM, J,0.063W	1	TH-42PD60B
R8058	EXB38V330J	RESISTOR ARRAY	1	TH-42PD60B
R8059	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-42PD60B
R8073	ERJ2GEJ105	M 1MOHM, J,0.063W	1	TH-42PD60B
R8074,75	ERJ2GEJ181	M 180 OHM, J,0.063W	2	TH-42PD60B
R8076	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-42PD60B

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R8078	ERJ2GEJ562	M 5.6KOHM,J,0.063W	1	TH-42PD60B
R8079	ERJ2GEJ473	M 47KOHM,J,0.063W	1	TH-42PD60B
R8084,85	D1HG1218A002	NETWORK RESISTER	2	TH-42PD60B
R8086-88	ERJ2GEJ560	M 56 OHM, J,0.063W	3	TH-42PD60B
R8101	ERJ3GEYF181	M 180 OHM,J,1/16W	1	TH-42PD60B PAVCCZ
R8104	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-42PD60B
R8106,07	ERJ2GEJ103	M 10KOHM, J,0.063W	2	TH-42PD60B
R8108	ERJ3EKF1002	M 10KOHM, 1/16W	1	TH-42PD60B
R8109	ERJ3EKF2202	M 22KOHM, 1/16W	1	TH-42PD60B
R8110	ERJ3EKF1501	M 1.5KOHM, 1/16W	1	TH-42PD60B
R8111	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PD60B
R8112,13	ERJ3GEY0R00	M 0 OHM, 1/16W	2	TH-42PD60B
R8115	ERJ3GEYF272	M 2.7KOHM, 1/16W	1	TH-42PD60B
R8117	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	TH-42PD60B
R8123	ERJ3GEY0R00	M 0 OHM, 1/16W	1	TH-42PD60B
R8124	ERJ2GEJ471	M 470 OHM, J,0.063W	1	TH-42PD60B
R8127	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PD60B
R8132,33	ERJ2GEJ560	M 56 OHM, J,0.063W	2	TH-42PD60B
R8136	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-42PD60B
R8137	ERJ2GEJ121	M 120 OHM, J,0.063W	1	TH-42PD60B
R8140,41	ERJ3EKF1001	M 1KOHM, 1/16W	2	TH-42PD60B
R8144,45	D1HG5608A002	NETWORK RESISTER	2	TH-42PD60B
R8148,49	D1HG3908A002	NETWORK RESISTER	2	TH-42PD60B
R8150-59	ERJ2GEJ390	M 39 OHM, J,0.063W	10	TH-42PD60B
R8161,62	ERJ2GEJ390	M 39 OHM, J,0.063W	2	TH-42PD60B
R8163	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-42PD60B
R8165	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-42PD60B
R8167-71	ERJ2GEJ103	M 10KOHM, J,0.063W	5	TH-42PD60B
R8172	ERJ2GEJ473	M 47KOHM,J,0.063W	1	TH-42PD60B
R8173	EXB38V560J	RESISTOR ARRAY	1	TH-42PD60B
R8175,76	ERJ2GEJ103	M 10KOHM, J,0.063W	2	TH-42PD60B
R8183	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PD60B
R8184	ERJ2GEJ223	M 22KOHM, J,0.063W	1	TH-42PD60B
R8187	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-42PD60B
R8188	ERJ3GEY0R00	M 0 OHM, 1/16W	1	TH-42PD60B
R8193	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-42PD60B
R8195,96	ERJ2GEJ103	M 10KOHM, J,0.063W	2	TH-42PD60B
R8201-04	ERJ2GEJ103	M 10KOHM, J,0.063W	4	TH-42PD60B
R8215	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-42PD60B
R8216,17	ERJ2GEJ560	M 56 OHM, J,0.063W	2	TH-42PD60B
R8218,19	D1HG33080001	NETWORK RESISTER	2	TH-42PD60B
R8220-22	D1HG5608A002	NETWORK RESISTER	3	TH-42PD60B
R8223	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-42PD60B
R8224,25	ERJ2GEJ103	M 10KOHM, J,0.063W	2	TH-42PD60B
R8226	ERJ2GEJ330	M 33 OHM, J,0.063W	1	TH-42PD60B
R8232-43	ERJ2GEJ330	M 33 OHM, J,0.063W	12	TH-42PD60B
R8244	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-42PD60B
R8245,46	ERJ2GEJ330	M 33 OHM, J,0.063W	2	TH-42PD60B
R8250	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-42PD60B
R8252-54	ERJ2GEJ330	M 33 OHM, J,0.063W	3	TH-42PD60B
R8255	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-42PD60B
R8256	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	TH-42PD60B
R8257	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-42PD60B
R8259	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-42PD60B
R8260-63	ERJ2GEJ560	M 56 OHM, J,0.063W	4	TH-42PD60B
R8264-68	ERJ2GEJ103	M 10KOHM, J,0.063W	5	TH-42PD60B
R8269	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-42PD60B

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R8271	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-42PD60B
R8272	EXB38V560J	RESISTOR ARRAY	1	TH-42PD60B
R8273	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-42PD60B
R8275	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-42PD60B
R8277	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-42PD60B
R8279	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PD60B
R8282	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-42PD60B
R8284	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-42PD60B
R8286,87	ERJ2GEJ560	M 56 OHM, J,0.063W	2	TH-42PD60B
R8290	EXB38V560J	RESISTOR ARRAY	1	TH-42PD60B
R8291,92	ERJ2GEJ560	M 56 OHM, J,0.063W	2	TH-42PD60B
R8310-15	ERJ3EKF75R0	M 0.75HM, 1/16W	6	TH-42PD60B
R8319	ERJ3EKF2702V	M27.0KOHM, 1/16W	1	TH-42PD60B
R8320	ERJ3EKF1002	M 10KOHM, 1/16W	1	TH-42PD60B
R8321	ERJ3EKF8201	M 8.2KOHM, 1/16W	1	TH-42PD60B
R8349	ERJ2GEJ104	M 100KOHM, J,0.063W	1	TH-42PD60B
R8350	ERJ3EKF8201	M 8.2KOHM, 1/16W	1	TH-42PD60B
R8351	ERJ3EKF1002	M 10KOHM, 1/16W	1	TH-42PD60B
R8352	ERJ3EKF2702V	M27.0KOHM, 1/16W	1	TH-42PD60B
R8353	ERJ2GEJ332	M 3.3KOHM, J,0.063W	1	TH-42PD60B
R8354	ERJ2GEJ272	M 2.7KOHM, J,0.063W	1	TH-42PD60B
R8355,56	EXB2HV104JV	RESISTOR ARRAY	2	TH-42PD60B
R8357,58	ERJ2GEJ473	M 47KOHM,J,0.063W	2	TH-42PD60B
R8366	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-42PD60B
R8367,68	ERJ2GEJ560	M 56 OHM, J,0.063W	2	TH-42PD60B
R8372-76	ERJ2GEJ560	M 56 OHM, J,0.063W	5	TH-42PD60B
R8401	ERJ8GEY0R00	M 0 OHM, 1/8W	1	TH-42PD60B
R8402	ERJ6GEY0R00	M 0 OHM, 1/10W	1	TH-42PD60B
R8403	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PD60B
R8404,05	ERJ2GEJ103	M 10KOHM, J,0.063W	2	TH-42PD60B
R8406	ERJ8RSJR10	M 1 OHM, 1/8W	1	TH-42PD60B
R8407	ERJ2GEJ333	M 33KOHM, J,0.063W	1	TH-42PD60B
R8414	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PD60B
R8415,16	ERJ2GEJ223	M 22KOHM, J,0.063W	2	TH-42PD60B
R8417,18	EXB38V473J	RESISTOR ARRAY	2	TH-42PD60B
R8419,20	EXB38V101J	RESISTOR ARRAY	2	TH-42PD60B
R8421	ERJ2GEJ223	M 22KOHM, J,0.063W	1	TH-42PD60B
R8422	ERJ2GEJ104	M 100KOHM, J,0.063W	1	TH-42PD60B
R8423	ERJ2GEJ821	M 820 OHM, J,0.063W	1	TH-42PD60B
R8425,26	EXB38V101J	RESISTOR ARRAY	2	TH-42PD60B
R8427-31	ERJ2GEJ560	M 56 OHM, J,0.063W	5	TH-42PD60B
R8433,34	EXB38V560J	RESISTOR ARRAY	2	TH-42PD60B
R8443	EXB38V560J	RESISTOR ARRAY	1	TH-42PD60B
R8444	ERJ2GEJ101	M 100 OHM, J,0.063W	1	TH-42PD60B
R8445,46	ERJ2GEJ151	M 150 OHM, J,0.063W	2	TH-42PD60B
R8447	ERJ2GEJ223	M 22KOHM, J,0.063W	1	TH-42PD60B
R8448	ERJ2GEJ473	M 47KOHM,J,0.063W	1	TH-42PD60B
R8449,50	ERJ2GEJ103	M 10KOHM, J,0.063W	2	TH-42PD60B
R8451	EXB38V104J	RESISTOR ARRAY	1	TH-42PD60B
R8452	ERJ2GEJ104	M 100KOHM, J,0.063W	1	TH-42PD60B
R8453	EXB38V104J	RESISTOR ARRAY	1	TH-42PD60B
R8454	ERJ2GEJ104	M 100KOHM, J,0.063W	1	TH-42PD60B
R8456-59	EXB38V560J	RESISTOR ARRAY	4	TH-42PD60B
R8460	ERJ2GEJ104	M 100KOHM, J,0.063W	1	TH-42PD60B
R8461	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-42PD60B
R8462,63	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	TH-42PD60B
R8464	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-42PD60B

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R8465	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-42PD60B
R8466	EXB38V560J	RESISTOR ARRAY	1	TH-42PD60B
R8467,68	ERJ2GEJ560	M 56 OHM, J,0.063W	2	TH-42PD60B
R8469	EXB38V151J	RESISTOR ARRAY	1	TH-42PD60B
R8474	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PD60B
R8475,76	ERJ2GEJ103	M 10KOHM, J,0.063W	2	TH-42PD60B
R8477,78	ERJ2GEJ560	M 56 OHM, J,0.063W	2	TH-42PD60B
R8479	ERJ2GEJ203	M 20KOHM,J,0.063W	1	TH-42PD60B
R8480-82	ERJ2GEJ560	M 56 OHM, J,0.063W	3	TH-42PD60B
R8483	ERJ2GEJ203	M 20KOHM,J,0.063W	1	TH-42PD60B
R8484	ERJ2GEJ223	M 22KOHM, J,0.063W	1	TH-42PD60B
R8485	ERJ2GEJ333	M 33KOHM, J,0.063W	1	TH-42PD60B
R8486	ERJ2GEJ223	M 22KOHM, J,0.063W	1	TH-42PD60B
R8487	ERJ2GEJ560	M 56 OHM, J,0.063W	1	TH-42PD60B
R8488	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PD60B
R8489	ERJ2GEJ102	M 1KOHM, J,0.063W	1	TH-42PD60B
R8491	ERJ3EKF9102	M91.0KOHM, 1/16W	1	TH-42PD60B
R8492	ERJ3EKF1802	M 18KOHM, 1/16W	1	TH-42PD60B
R8493	ERJ3EKF9102	M91.0KOHM, 1/16W	1	TH-42PD60B
R8494	ERJ3EKF9101	M 9.1KOHM, 1/16W	1	TH-42PD60B
R8495	EXB38V151J	RESISTOR ARRAY	1	TH-42PD60B
R8496	EXB38V560J	RESISTOR ARRAY	1	TH-42PD60B
R8497	ERJ3EKF3300	M 330 OHM, 1/16W	1	TH-42PD60B
R8498	ERJ3EKF2200	M 220 OHM, 1/16W	1	TH-42PD60B
R8499	ERJ3EKF2432	M24.3KOHM, 1/16W	1	TH-42PD60B
R8500	ERJ3EKF1052	M10.5KOHM, 1/16W	1	TH-42PD60B
R8501	ERJ3EKF5601	M 5.6KOHM, 1/16W	1	TH-42PD60B
R8502	ERJ3EKF2402	M 24KOHM, 1/16W	1	TH-42PD60B
R8503,04	ERJ2GEJ103	M 10KOHM, J,0.063W	2	TH-42PD60B
R8505	ERJ2GEJ101	M 100 OHM, J,0.063W	1	TH-42PD60B
R8538,39	ERJ2GEJ101	M 100 OHM, J,0.063W	2	TH-42PD60B
R8546	ERJ2GEJ333	M 33KOHM, J,0.063W	1	TH-42PD60B
R8547	ERJ2GEJ102	M 1KOHM, J,0.063W	1	TH-42PD60B
R8601	ERJ3GEY0R00	M 0 OHM, 1/16W	1	TH-42PD60B
R8602-04	ERJ2GEJ101	M 100 OHM, J,0.063W	3	TH-42PD60B
R8605,06	ERJ2GEJ104	M 100KOHM, J,0.063W	2	TH-42PD60B
R8608	ERJ2GEJ105	M 1MOHM, J,0.063W	1	TH-42PD60B
R8610	ERJ2GEJ332	M 3.3KOHM, J,0.063W	1	TH-42PD60B
R8611	ERJ6GEY0R00	M 0 OHM, 1/10W	1	TH-42PD60B
R8614	ERJ2GEJ221	M 220 OHM, J,0.063W	1	TH-42PD60B
R8615	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PD60B
R8701-08	ERJ2GEJ560	M 56 OHM, J,0.063W	8	TH-42PD60B
R8729-36	ERJ2GEJ103	M 10KOHM, J,0.063W	8	TH-42PD60B
R8827,28	ERJ2GEJ392	M 3.9KOHM, J,0.063W	2	TH-42PD60B
R8831,32	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	TH-42PD60B
R8862-64	ERJ2GE0R00	M 0.0 OHM, J,0.063W	3	TH-42PD60B
R8899,00	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	TH-42PD60B
R8912	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PD60B
R8927	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PD60B
R8930	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PD60B
R8931,32	ERJ2GEJ392	M 3.9KOHM, J,0.063W	2	TH-42PD60B
R8933,34	ERJ2GE0R00	M 0.0 OHM, J,0.063W	2	TH-42PD60B
R8936	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-42PD60B
R8954	ERJ2GEJ103	M 10KOHM, J,0.063W	1	TH-42PD60B
R8960	ERJ2GE0R00	M 0.0 OHM, J,0.063W	1	TH-42PD60B
R8962-64	ERJ2GEJ101	M 100 OHM, J,0.063W	3	TH-42PD60B
R8967,68	EXB2HV473JV	RESISTOR ARRAY	2	TH-42PD60B PAVCCZ

[illegible]	[illegible]	RESISTOR ARRAY	2	[illegible]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R8969-71	ERJ2GEJ473	M 47KOHM,J,0.063W	3	TH-42PD60B
R9060-67	ERJ3GEYJ101	M 100 OHM,J,1/16W	8	
R9074	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9076	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9097,98	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9099	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9100,01	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9102	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9105	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9106	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9107	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R9108,09	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9110,11	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R9113	ERJ3GEYJ100	M 10 OHM,J,1/16W	1	
R9120	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9121	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9127	ERJ3GEYJ683	M 68KOHM,J,1/16W	1	
R9129	ERJ3GEYJ683	M 68KOHM,J,1/16W	1	
R9131-33	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	3	
R9134	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R9140	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9141-45	ERJ3GEYJ101	M 100 OHM,J,1/16W	5	
R9148	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9149	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9150,51	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9152,53	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R9154,55	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	2	
R9156-59	ERJ3GEYJ103	M 10KOHM,J,1/16W	4	
R9160,61	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9164-66	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9167,68	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R9169	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9170-72	ERJ3GEYJ393	M 39KOHM,J,1/16W	3	
R9173-75	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9178	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9179	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9180	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9181-84	ERJ3GEYJ101	M 100 OHM,J,1/16W	4	
R9185,86	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9187,88	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	2	
R9189,90	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9192	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9193	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9194	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9196	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9199	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9203	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9205	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9206,07	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R9215	ERJ3GEYJ123	M 12KOHM,J,1/16W	1	
R9217-22	ERJ3GEYJ103	M 10KOHM,J,1/16W	6	
R9223	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9225	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9236	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9237	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9240	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9317	ERJ3GEYJ391	M 390 OHM,J,1/16W	1	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9348	D1HG8208A002	NETWORK RESISTER	1	
R9349	EXB38V820J	RESISTOR ARRAY	1	
R9350,51	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9352	EXB38V820J	RESISTOR ARRAY	1	
R9353,54	D1HG8208A002	NETWORK RESISTER	2	
R9355,56	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R9357-59	D1HG8208A002	NETWORK RESISTER	3	
R9360	EXB38V820J	RESISTOR ARRAY	1	
R9361,62	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9363	EXB2HV470JV	RESISTOR ARRAY	1	
R9366	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9367	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9368	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9369	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9370	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9371	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9379	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9380	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R9382	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9390	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9391	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9394	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9395	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9501,02	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9503	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R9506	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9507	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9511-13	ERJ3GEYJ470	M 47 OHM,J,1/16W	3	
R9516	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9518	ERJ3GEYJ561	M 560 OHM,J,1/16W	1	
R9522-25	ERJ3GEYJ103	M 10KOHM,J,1/16W	4	
R9527,28	EXB2HV272JV	RESISTOR ARRAY	2	
R9529,30	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9531-33	ERJ3GEYJ470	M 47 OHM,J,1/16W	3	
R9534	EXB38V470J	RESISTOR ARRAY	1	
R9535,36	ERJ3GEYJ470	M 47 OHM,J,1/16W	2	
R9537	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9540	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9543,44	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9545	ERJ3GEYJ304V	M 300KOHM,J,1/16W	1	
R9548-50	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9552	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9555	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9800	ERJ3EKF1302	M 23KOHM, 1/16W	1	
R9801	ERJ3EKF2402	M 24KOHM, 1/16W	1	
R9802	ERJ3EKF6202	M 62KOHM, 1/16W	1	
R9803	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9804	ERJ3EKF2402	M 24KOHM, 1/16W	1	
R9805	ERJ3EKF3002	M 30KOHM, 1/16W	1	
R9806	ERJ3EKF3902	M 39KOHM, 1/16W	1	
R9807	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9808	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9810	ERJ3EKF3001	M 3KOHM, 1/16W	1	
R9813	ERJ3EKF2401	M 2.4KOHM, 1/16W	1	
R9814	ERJ3EKF6802	M 68KOHM, 1/16W	1	
R9815	ERJ3EKF2202	M 22KOHM, 1/16W	1	
R9816	ERJ3EKF8202	M 82KOHM, 1/16W	1	

[illegible]	[illegible]	[illegible]	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9821	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9823-27	ERJ3GEYJ101	M 100 OHM,J,1/16W	5	
R9828	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9830,31	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9838,39	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R9840	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9842-44	ERJ3GEYJ101	M 100 OHM,J,1/16W	3	
R9845	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R9846,47	EXB2HV272JV	RESISTOR ARRAY	2	
R9848,49	EXB2HV470JV	RESISTOR ARRAY	2	
R9850	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R9854	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9859	EXB38V101J	RESISTOR ARRAY	1	
R9861-63	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9864,65	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R9868	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9869-71	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9872	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9878	ERJ3EKF3902	M 39KOHM, 1/16W	1	
R9879	ERJ3EKF2002	M 20KOHM, 1/16W	1	
R9880	ERJ3EKF3602	M 36KOHM, 1/16W	1	
R9883	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9884	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9891	ERJ3EKF4702	M 47KOHM, 1/16W	1	
R9892	ERJ3EKF1502	M 15KOHM, 1/16W	1	
R9893	ERJ3EKF3602	M 36KOHM, 1/16W	1	
R9896	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9897	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9903	EXB2HV470JV	RESISTOR ARRAY	1	
R9904	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R9905	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9906	EXB38V470J	RESISTOR ARRAY	1	
R9907	ERJ3GEYJ151	M 150 OHM,J,1/16W	1	
R9917,18	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9919,20	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9922	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9929	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9936-39	ERJ3EKF1001	M 1KOHM, 1/16W	4	
R9940	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9941,42	ERJ3GEYJ470	M 47 OHM,J,1/16W	2	
R9943-51	EXB38V470J	RESISTOR ARRAY	9	
R9952-55	ERJ3GEYJ470	M 47 OHM,J,1/16W	4	
R9956	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
RM2510	PNA4701M05TV	REMOCO RECEIVER	1	
RTL	TNPA3740AN	CIRCUIT BOARD XV	1	TH-42PD60B PAVCCZ
RTL	TNPA3756CC	CIRCUIT BOARD DG	1	TH-42PA60E PAVCCZ
RTL	TNPA3756CJ	CIRCUIT BOARD DG	1	TH-42PD60B PAVCCZ
RTL	TNPA3759AC	CIRCUIT BOARD H	1	PAVCCZ
RTL	TNPA3766	CIRCUIT BOARD HC	1	PAVCCZ
RTL	TNPA3767	CIRCUIT BOARD TA	1	TH-42PA60E PAVCCZ
RTL	TNPA3767AB	CIRCUIT BOARD TA	1	TH-42PD60B PAVCCZ
RTL	TNPA3761AH	CIRCUIT BOARD PA	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
RTL	TNPA3799AB	CIRCUIT BOARD C1	1	
RTL	TNPA3800AB	CIRCUIT BOARD C2	1	
RTL	TZTNP01BMTB	CIRCUIT BOARD D	1	PAVCCZ
RTL	TNPA3911AB	CIRCUIT BOARD P	1	
RTL	TNPA3794AB	CIRCUIT BOARD SC	1	
RTL	TNPA3875AB	CIRCUIT BOARD SD	1	
RTL	TNPA3795AB	CIRCUIT BOARD SS	1	
RTL	TNPA3874AB	CIRCUIT BOARD SU	1	
RTL	TNPA3603AF	CIRCUIT BOARD K	1	TH-42PA60E PAVCCZ
RTL	TNPA3603AG	CIRCUIT BOARD K	1	TH-42PD60B PAVCCZ
RTL	TNPA3604AD	CIRCUIT BOARD S	1	
S1	K1KA03AA0193	3P CONNECTOR	1	
SC2	K1KA02A00626	2P CONNECTOR	1	
SC20	K1KA20AA0008	20P CONNECTOR	1	
SC23	K1KA03AA0193	3P CONNECTOR	1	
SC30	K1KA08AA0192	8P CONNECTOR	1	
SC41,42	K1ML80B00001	80P CONNECTOR	2	
SC45,46	K1KA09A00239	9P CONNECTOR	2	
SD1-D3	K1MN80B00012	80P CONNECTOR	3	
SD46	K1KB09A00045	9P CONNECTOR	1	
SS11	K1KA02A00626	2P CONNECTOR	1	
SS12	K1KA10AA0194	10P CONNECTOR	1	
SS23	K1KA12AA0194	12P CONNECTOR	1	
SS34	K1KA03AA0193	3P CONNECTOR	1	
SS41-44	K1MN13B00020	13P CONNECTOR	4	
SSMM1	TMME260	CLAMPER	1	
SU1-U3	K1MN80B00012	80P CONNECTOR	3	
SU45	K1KB09A00045	9P CONNECTOR	1	
SW2500	K0F162B00002	SWITCH	1	
SW3751-55	EVQ11G05R	SWITCH	5	
T6602	ETS22AE2G9AD	SWITCHING TRANS	1	
TA5	K1KB15B00013	15P CONNECTOR	1	
TA6	K1KB09B00019	9P CONNECTOR	1	
TU001	ENG37A12GF	TUNER	1	TH-42PA60E
TU001	ENGF7301GF	TUNER	1	TH-42PD60B PAVCCZ
TU8001	ENV57M01D8F	TUNER	1	TH-42PD60B PAVCCZ
VR6000	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
VR6600	EVMEASA00B23	CONTROL 2KOHMB 0.3W	1	
VR6602	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
X1100	H0J100500030	CRYSTAL	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
X1101	H0J327200114	CRYSTAL	1	
X2101	H0J184500027	CRYSTAL	1	
X4004	H0J270500087	CRYSTAL	1	
X8003	H0J241500003	CRYSTAL	1	TH-42PD60B PAVCCZ
X8006	H0J270500090	CRYSTAL	1	TH-42PD60B PAVCCZ
X9000	H2D200500011	CRYSTAL	1	
X9200	H0J200500038	CRYSTAL	1	
XV01	K1KAB0A00011	CONNECTOR	1	TH-42PD60B
ZA2101-08	TESA169	SHIELD CLIP	8	
ZA2300,01	K4CZ01000027	COMPATIBLE WITH JALCO K9	2	
ZA3401-05	K4CZ01000027	COMPATIBLE WITH JALCO K9	5	
ZA4001,02	K4CD08000002	TERMINAL	2	
ZA6001-03	K4CD01000011	TERMINAL	3	
ZA6401-03	K4CD01000011	TERMINAL	3	
ZA7101-03	K4CD01000013	TERMINAL	3	
ZA7201-04	K4CD01000013	TERMINAL	4	
ZA9001	K4CD01000011	TERMINAL	1	
C402	F1J1C1050011	C 1UF, Z, 50V	1	
C404	F0CAF105A021	C 1UF, 250V	1	
C407	EEUEB2W220B	E 22UF, 450V	1	
C408	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C409	F0CAF225A021	C 22UF, 250V	1	
C410	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C413	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C414	ECQU2A473ML	P 0.047UF, M,250V	1	
C421	F1J1C1050011	C 1UF, Z, 50V	1	
C422	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C423	ECJ2XB1H472K	C 4700PF, K, 50V	1	
C425	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C426	ECJ2XC1H471J	C 470PF, J, 50V	1	
C427	F1J1C1050011	C 1UF, Z, 50V	1	
C428	ECJ2XC1H221J	C 220PF, J, 50V	1	
C429	F1E2J4730001	C 0.047PF, , 600V	1	
C431	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C432	F1J1C1050011	C 1UF, Z, 50V	1	
C433	ECJ3XB1E104K	C 0.1UF, K, 25V	1	
C434	F1J1C1050011	C 1UF, Z, 50V	1	
C436	F1J1C1050011	C 1UF, Z, 50V	1	
C440	ECA1HM100	E 10UF, 50V	1	
C443,44	F1A3A102A040	C 1000PF, J, 1KV	2	
C445	F1J1C1050011	C 1UF, Z, 50V	1	
C446,47	F2B2W2010001	C 200UF, 450V	2	
C450	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C451	F1A3A101A040	C 100PF, J, 1KV	1	
C457	ECWH12333RHV	P 0.013UF,J,1.2KV	1	
C460,61	F1A3A331A039	E 330UF, 1KV	2	
C462	ECJ3YB1E105K	C 1UF, K, 25V	1	
C463	ECJ2XC1H220J	C 22UF, J, 50V	1	
C467	ECKCNA221KB7	C 220PF, M,	1	
C468	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C469	ECKCNA221KB7	C 220PF, M,	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C470	F0CAF105A021	C 1UF, 250V	1	
C473,74	ECKCNA101KB7	C 100PF	2	
C476	ECKCNA101KB7	C 100PF	1	
C478	ECKCNA101KB7	C 100PF	1	
C493	ECA1HM470	E 47UF, 50V	1	
C494	F2A2E1R00008	E 1.0UF, 250V	1	
C497	ECA1HM470	E 47UF, 50V	1	
C501,02	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C503	ECJ2XC1H471J	C 470PF, J, 50V	1	
C504	F1J1C1050011	C 1UF, Z, 50V	1	
C505	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C506,07	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C508	ECJ2XC1H471J	C 470PF, J, 50V	1	
C509	ECA1EHG101	E 100UF, 25V	1	
C510	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C511	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C512-14	ECJ2XC1H471J	C 470PF, J, 50V	3	
C515	F2A1A1220011	E 1200UF, 10V	1	
C516	ECJ2XB1C474K	C 0.47UF, Z, 16V	1	
C517	F2A1E221A096	E 220UF, 25V	1	
C518	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C519	F1J1C1050011	C 1UF, Z, 50V	1	
C523	ECJ3YB1E105K	C 1UF, K, 25V	1	
C526	ECJ2XB1H223K	C 0.022UF, K, 50V	1	
C527	ECJ3YB1E475K	C 4.7UF, K, 25V	1	
C528,29	F1J1C1050011	C 1UF, Z, 50V	2	
C530	ECJ2VB1H333K	C 0.033UF, K, 50V	1	
C531	ECJ3YB1E105K	C 1UF, K, 25V	1	
C533	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C534	ECJ2XC1H471J	C 470PF, J, 50V	1	
C546,47	ECJ2XB1H102K	C 1000PF, K, 50V	2	
C550	ECJ2XC1H331J	C 330PF, J, 50V	1	
C551,52	ECJ2XB1H104K	C 0.1UF, K, 50V	2	
C554	F1J1C1050011	C 1UF, Z, 50V	1	
C555	F2A2C101A120	E 1000UF, 160V	1	
C556,57	EEUFC1E152	E 1500UF, 25V	2	
C558	F2A1E4710065	E 470UF, 25V	1	
C559	F2A1A1220011	E 1200UF, 10V	1	
C562	ECJ2XB1H223K	C 0.022UF, K, 50V	1	
C571	ECJ2XC1H330J	C 33PF, J, 50V	1	
C574	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C577	F2A2A330A022	E 33UF, 100V	1	
C581	ECJ2XB1H223K	C 0.022UF, K, 50V	1	
C583	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C584,85	ECJ2XB1H223K	C 0.022UF, K, 50V	2	
C587	ECJ2XB1H332K	C 3300PF, K, 50V	1	
C601	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C603	ECJ2FB1E105K	C 1UF, K, 25V	1	
C604,05	F2A2D1510008	E 150UF, 200V	2	
C607	F1J1C1050011	C 1UF, Z, 50V	1	
C608	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C610	F1J1C1050011	C 1UF, Z, 50V	1	
C611	F2B2D1720005	E 1700UF,@ 200V	1	
C612,13	ECJ2XB1H103K	C 0.01UF, K, 50V	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C615	F2B2D1720005	E 1700UF,@ 200V	1	
C616	F1A3A102A040	C 1000PF, J, 1KV	1	
C619	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C620	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C623	ECA1HM100	E 10UF, 50V	1	
C624	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C625	ECA1HM100	E 10UF, 50V	1	
C626	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C627	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C629-31	ECJ2XB1H103K	C 0.01UF, K, 50V	3	
C632	ECJ2XC1H331J	C 330PF, J, 50V	1	
C634	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C635	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C638,39	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C640	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C641	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C643	ECA1HM470	E 47UF, 50V	1	
C650	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C653	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C654	ECJ3YB1E105K	C 1UF, K, 25V	1	
C655,56	ECJ3YB1E225K	C 2.2UF, K, 25V	2	
C657	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C658	ECJ3YB1E105K	C 1UF, K, 25V	1	
C659	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C660	ECJ2FB1C225K	C 22UF, K, 16V	1	
C661,62	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
D401	B0FBAT000006	DIODE	1	
D404	B0EBKT000007	DIODE	1	
D407	MA111	DIODE	1	
D411	B0BB17000009	DIODE	1	
D412	B0HAMM000122	DIODE	1	
D415	B0JAME000099	DIODE	1	
D416	B0HAMP000067	DIODE	1	
D417	B0HAPR000013	DIODE	1	
D418	B0BC8R100013	DIODE	1	
D419,20	B0HAPR000013	DIODE	2	
D423	MA188	DIODE	1	
D425	MA188	DIODE	1	
D429	ERA15-10	DIODE	1	
D430	MA111	DIODE	1	
D431,32	B0JCDD000002	DIODE	2	
D433	B0BC01400033	DIODE	1	
D435	ERA15-10	DIODE	1	
D436-38	MA4200M	ZENER DIODE	3	
D441	B0HAMM000122	DIODE	1	
D444	B0HAMM000122	DIODE	1	
D445	MA4360H	ZENER DIODE	1	
D501	B0HAPR000012	DIODE	1	
D503,04	MA165	DIODE	2	
D505	B0JAME000099	DIODE	1	
D506	MAZ80470LL	ZENER DIODE	1	
D507,08	B0BC7R400023	DIODE	2	
D509	B0JANG000018	DIODE	1	
D511	B0JAML000011	DIODE	1	
D512,13	MA111	DIODE	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D514	B0BC6R100025	DIODE	1	
D515	B0BC3R200008	DIODE	1	
D516-18	MA4330M	ZENER DIODE	3	
D520	MA111	DIODE	1	
D521	B0JAME000099	DIODE	1	
D528,29	MA153	DIODE	2	
D530	B0BC9R900013	DIODE	1	
D531	B0HBSN000013	DIODE	1	
D535	MA188	DIODE	1	
D536	B0JBSG000026	DIODE	1	
D538	B0BC5R100039	DIODE	1	
D539,40	B0AARR000010	DIODE	2	
D542	MA4200M	ZENER DIODE	1	
D543	B0BC01400033	DIODE	1	
D544,45	MA4200M	ZENER DIODE	2	
D549	B0BC02500008	DIODE	1	
D551	B0BC01300033	DIODE	1	
D555	B0BC7R400023	DIODE	1	
D559	B0BC7R400023	DIODE	1	
D563	B0BC6R100025	DIODE	1	
D569-72	B0BC02500008	DIODE	4	
D574	MA165	DIODE	1	
D575	MA188	DIODE	1	
D579	MA165	DIODE	1	
D582	MAZ705600F	ZENER DIODE	1	
D585	B0BC7R400023	DIODE	1	
D586	B0HAMP000067	DIODE	1	
D587	MA188	DIODE	1	
D588	B0BC3R200008	DIODE	1	
D590	B0BC3R200008	DIODE	1	
D596	ERA15-10	DIODE	1	
D598	B0BC5R100039	DIODE	1	
D599	B0JCND000009	DIODE	1	
D600	B0BC7R400023	DIODE	1	
D601	B0BC5R100039	DIODE	1	
D602	B0BC8R100013	DIODE	1	
F410	K5G102B00020	FUSE	1	
IC401	CNC1S171R	IC	1	
IC402	C0DAEMB00004	IC	1	
IC403-05	CNC1S171R	IC	3	
IC406	C0DAZZZ00021	IC	1	
IC408	CNC1S171R	IC	1	
IC409	MIP2G40MPSCF	IC	1	
IC410	CNC1S171R	IC	1	
IC411	C0DAEMB00004	IC	1	
IC412	CNC1S171R	IC	1	
IC501	C2ABDB000108	IC	1	
IC502	C0EBH0000210	IC	1	
IC504	C0DAEMB00004	IC	1	
IC505	CNC1S171R	IC	1	
IC506	C0ZBZ0000878	IC	1	
IC507	CNC1S171R	IC	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC509	C0DABZZ00010	IC	1	
IC510	C0DBAZG00034	IC	1	
IC512	C0DAEMB00004	IC	1	
IC520	LSSK0062	IC	1	
L403	EXCELSA35	BEAD CHOKE	1	
L404,05	G0B123K00004	CHOKE COIL	2	
L410	ELF17N004A	LINE FILTER	1	
L510	EXCELDR25C	BEAD CHOKE	1	
L511	G0A470ZA0033	CHOKE COIL	1	
L512	ELESE4R7JA	PEAKING COIL	1	
L513	EXCELDR25C	BEAD CHOKE	1	
P2	K1KA02A00626	2P CONNECTOR	1	
P5	K1KA11AA0194	11P CONNECTOR	1	
P9	K1KA03A00537	3P CONNECTOR	1	
P10	K1KA06A00452	6P CONNECTOR	1	
P11	K1KA02A00626	2P CONNECTOR	1	
P12	K1KA10AA0194	10P CONNECTOR	1	
P23	K1KA03AA0193	3P CONNECTOR	1	
P25	K1KA20AA0178	20P CONNECTOR	1	
PMM1	TMM7464-2	CLAMPER	1	
PMM2,M3	TMME088	CLAMPER	2	
PMM4-M6	TMM7464-2	CLAMPER	3	
PMM7	TMME047	CLAMPER	1	
PR401	K5Y502BA0001	FUSE	1	
PR505	K5H5022A0023	FUSE	1	
PR509	ERBSE0R50U	FUSE	1	
PR601	K5G312B00012	FUSE	1	
Q401	B1CHND000004	TRANSISTOR	1	
Q402	B1DFDD000019	TRANSISTOR	1	
Q404	B1BCCF000022	TRANSISTOR	1	
Q406	B1DEHQ000014	TRANSISTOR	1	
Q407	B1HFCFA00021	TRANSISTOR	1	
Q408,09	B1DHCD000034	TRANSISTOR	2	
Q412,13	B1DAGQ000013	TRANSISTOR	2	
Q418	2SD1819A	TRANSISTOR	1	
Q420-22	2SD1819A	TRANSISTOR	3	
Q434	B1CEJQ000003	TRANSISTOR	1	
Q501,02	2SD1820A	TRANSISTOR	2	
Q505	B1CEJQ000002	TRANSISTOR	1	
Q507	B1DAGQ000013	TRANSISTOR	1	
Q508	B1HBCFA00033	TRANSISTOR	1	
Q509	B1HDCEA00001	TRANSISTOR	1	
Q510	B1DHBD000005	TRANSISTOR	1	
Q512	B1CBGD000001	FET	1	
Q517	B1HBCFA00033	TRANSISTOR	1	
Q520	B1HBCFA00033	TRANSISTOR	1	
Q521	B1CBGD000001	FET	1	
Q524	B1CFGF000008	TRANSISTOR	1	
Q525	B1CBGD000001	FET	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q527	B1CERL000005	TRANSISTOR	1	
Q530	2SD1819A	TRANSISTOR	1	
Q535	2SD1819A	TRANSISTOR	1	
Q537	B1DFDD000019	TRANSISTOR	1	
Q538	B1CBGD000001	FET	1	
Q540	B1DHCD000034	TRANSISTOR	1	
Q541	B1CBGD000001	FET	1	
Q551	B1CBGD000001	FET	1	
Q553	2SD1819A	TRANSISTOR	1	
Q554	B1DHCD000034	TRANSISTOR	1	
Q555,56	B1DFGD000045	TRANSISTOR	2	
Q557-59	2SD1819A	TRANSISTOR	3	
Q561	2SD1819A	TRANSISTOR	1	
Q563	B1CFGF000008	TRANSISTOR	1	
Q564,65	2SB1218ARL	TRANSISTOR	2	
Q566	2SD1819A	TRANSISTOR	1	
Q568	B1CHGD000006	TRANSISTOR	1	
Q569	B1CBGD000001	FET	1	
R401	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R402	ERJ6GEYJ821	M 820 OHM,J,1/10W	1	
R403	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R404	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R406	ERX12SJ2R2V	M 2.2 OHM, J,1/2W	1	
R407	ERJ8ENF4303	M 43KOHM, 1/8W	1	
R410	D1F5100E0003	CHIP RESISTOR	1	
R412	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R413	D1F5100E0003	CHIP RESISTOR	1	
R414	ERJ8GEYJ153	M 15KOHM, J,1/8W	1	
R415	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R416	ERJ6GEYJ305	M 3MOHM,J,1/10W	1	
R417	ERJ6ENF4303	M 430KOHM, 1/10W	1	
R418	ERJ6GEYJ220	M 22 OHM,J,1/10W	1	
R419	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R420	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R421	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R422	ERJ6GEYJ334	M 330KOHM,J,1/10W	1	
R423	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R424	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R425	ERJ6ENF3902	M 39KOHM, 1/10W	1	
R426	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R427	ERJ8ENF4303	M 43KOHM, 1/8W	1	
R428	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R429	ERJ6GEYJ4R7	M 4.7 OHM,J,1/10W	1	
R430	ERJ6ENF4303	M 430KOHM, 1/10W	1	
R431	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R432	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R433	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R434	ERJ8GEY0R00	M 0 OHM, 1/8W	1	
R435	ERJ8ENF4303	M 43KOHM, 1/8W	1	
R436	ERJ8GEYJ153	M 15KOHM, J,1/8W	1	
R437	ERJ6GEYJ183	M 18KOHM,J,1/10W	1	
R438	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R439	ERG12SJ120	M 12 OHM, J,1/2W	1	
R440	ERJ8GEYJ474	M 470KOHM, J,1/8W	1	
R441,42	ERJ6EKF6803	M 680KOHM, 1/10W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R443	EVMAASA00B23	CONTROL 2KOHMB	1	
R444	ERJ6GEYJ123	M 12KOHM,J,1/10W	1	
R448,49	D0XGR10J0003	M 0.1OHM,J, 5W	2	
R450	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R451	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R452	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R453	ERJ6GEYJ305	M 3MOHM,J,1/10W	1	
R454	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R455	ERJ6GEYJ123	M 12KOHM,J,1/10W	1	
R456	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R458	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R459	ERJ6EKF6803	M 680KOHM, 1/10W	1	
R461	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R462	ERJ6ENF4303	M 430KOHM, 1/10W	1	
R463	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R464	ERJ6ENF3302	M 33KOHM, 1/10W	1	
R465	ERJ6ENF5603	M 560KOHM, 1/10W	1	
R467	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R471	ERJ8GEYJ332	M 3.3KOHM, J,1/8W	1	
R472,73	ERJ6ENF5603	M 560KOHM, 1/10W	2	
R475	ERJ6EKF6803	M 680KOHM, 1/10W	1	
R476,77	ERJ14YJ181U	M 181 OHM, J,1/4W	2	
R478	ERJ8GEYJ220	M 22 OHM, J,1/8W	1	
R480	ERJ6ENF4702	M 47KOHM, 1/10W	1	
R482	ERJ8GEYJ220	M 22 OHM, J,1/8W	1	
R483	D0BF225JA030	M 22MOHM,J,0.05W	1	
R487	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R488	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R490,91	ERJ6GEYJ473	M 47KOHM,J,1/10W	2	
R492	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R493	ERG12SJ120	M 12 OHM, J,1/2W	1	
R494-96	ERJ6ENF5603	M 560KOHM, 1/10W	3	
R497	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R498	ERG3SJ101	M 100 OHM, J, 3W	1	
R499	D0BF394JA029	M 390KOHM,J,0.05W	1	
R501	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R502,03	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R504	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R505	ERJ8GEYJ330	M 33 OHM, J,1/8W	1	
R506	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R507	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R508	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R509-11	ERJ6GEYJ104	M 100KOHM,J,1/10W	3	
R512	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R513,14	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R515,16	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R517	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R518	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R519,20	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R521,22	ERJ8GEYJ100	M 10 OHM, J,1/8W	2	
R523	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R524	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R525	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R526,27	ERJ8GEYJ224	M 220KOHM, J,1/8W	2	
R528	ERJ6GEYJ4R7	M 4.7 OHM,J,1/10W	1	
R529	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R530	ERJ6RBD3302	M 33KOHM,F,1/10W	1	
R532	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R533	ERJ6GEYJ163	M 16KOHM,J,1/10W	1	
R534	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R535,36	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R537	ERJ6ENF1003	M 100KOHM, 1/10W	1	
R538	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R539	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R540,41	ERJ6GEYJ105	M 1MOHM,J,1/10W	2	
R542	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R543	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R544	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R545	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R546	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R547	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R548	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R549	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R550	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R551	ERJ6GEYJ334	M 330KOHM,J,1/10W	1	
R552	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R553	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R554	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R555,56	ERJ6GEYJ105	M 1MOHM,J,1/10W	2	
R557	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R558	ERJ6GEYJ474	M 470KOHM,J,1/10W	1	
R559	ERJ6ENF8201	M 8.2KOHM, 1/10W	1	
R560	ERJ6ENF9101	M 9.1KOHM, 1/10W	1	
R561	ERJ6ENF5101	M 5.1KOHM, 1/10W	1	
R562	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R563	ERJ6GEYJ2R2	M 2.2 OHM,J,1/10W	1	
R564	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R565,66	ERJ6GEYJ105	M 1MOHM,J,1/10W	2	
R567,68	ERJ8ENF1004	M 100KOHM, 1/8W	2	
R569	ERJ6ENF3302	M 33KOHM, 1/10W	1	
R570	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R571	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R572,73	ERJ8ENF3900	M 390 OHM, 1/8W	2	
R574	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R575	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R576	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R577,78	ERJ6GEYJ473	M 47KOHM,J,1/10W	2	
R579	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R580,81	ERJ6GEYJ473	M 47KOHM,J,1/10W	2	
R582	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R583	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R584	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R585	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R586	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R587	ERJ8RQJR22V	M0.22 OHM, 1/8W	1	
R588	ERJ8ENF3900	M 390 OHM, 1/8W	1	
R589,90	ERJ8GEYJ123	M 12KOHM, J,1/8W	2	
R591	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R592	ERJ6ENF3001	M 3KOHM, 1/10W	1	
R593	ERJ6ENF5601	M 5.6KOHM, 1/10W	1	
R594	ERJ6GEYJ151	M 150 OHM,J,1/10W	1	
R595	ERJ8GEYJ222	M 2.2KOHM, J,1/8W	1	
R596	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	

[illegible]	[illegible]	[illegible]	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R597,98	ERJ6ENF3302	M 33KOHM, 1/10W	2	
R599,00	ERJ8ENF3900	M 390 OHM, 1/8W	2	
R601	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R602	ERJ6ENF3301	M 3.3KOHM, 1/10W	1	
R603	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R606	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R607	ERJ6ENF2202	M 2.2KOHM, 1/10W	1	
R608	ERJ8GEYJ332	M 3.3KOHM, J,1/8W	1	
R609	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R610,11	ERJ6GEYJ473	M 47KOHM,J,1/10W	2	
R612	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R613	ERJ6ENF2402	M 24KOHM, 1/10W	1	
R614	ERJ6ENF3301	M 3.3KOHM, 1/10W	1	
R615	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R616,17	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R618	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R619	ERJ8RQFR68	M 0.68OHM, J,1/8W	1	
R620	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R621	ERJ8GEYJ123	M 12KOHM, J,1/8W	1	
R622	ERJ8ENF1503	M 15KOHM, 1/8W	1	
R624	ERX2SJR22	M0.22 OHM, J, 2W	1	
R626	ERJ8ENF1503	M 15KOHM, 1/8W	1	
R627	ERJ6GEYJ822	M 8.2KOHM,J,1/10W	1	
R628	EVMAASA00B33	CONTROL 3KOHMB	1	
R629	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R630	ERJ8GEYJ472	M 4.7KOHM, J,1/8W	1	
R631	ERJ8GEYJ333	M 33KOHM, J,1/8W	1	
R632	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R633	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R634	ERJ8RQFR68	M 0.68OHM, J,1/8W	1	
R636	ERJ8ENF1503	M 15KOHM, 1/8W	1	
R637	ERJ8RQFR68	M 0.68OHM, J,1/8W	1	
R638	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R639,40	ERJ8RQFR68	M 0.68OHM, J,1/8W	2	
R641	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R642-44	ERJ8RQFR68	M 0.68OHM, J,1/8W	3	
R645	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R646,47	ERJ8GEYJ223	M 22KOHM, J,1/8W	2	
R648	ERJ8ENF1503	M 15KOHM, 1/8W	1	
R649	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R650	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R651,52	ERJ6ENF1002	M 10KOHM, 1/10W	2	
R653	ERJ6ENF3302	M 33KOHM, 1/10W	1	
R654	ERJ8GEYJ220	M 22 OHM, J,1/8W	1	
R655	ERJ8RQJR22V	M0.22 OHM, 1/8W	1	
R656	ERJ6ENF4702	M 47KOHM, 1/10W	1	
R657	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R658	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R659	ERJ6ENF3002	M 30KOHM, 1/10W	1	
R660	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R661	EVMEASA00B53	CONTROL 5KOHMB 0.3W	1	
R662	ERJ6ENF1503	M 150KOHM, 1/10W	1	
R664	ERJ6ENF9101	M 9.1KOHM, 1/10W	1	
R665	EVMEASA00B23	CONTROL 2KOHMB 0.3W	1	
R666	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R667,68	ERJ8GEY0R00	M 0 OHM, 1/8W	2	
R669	ERJ6ENF1303	M 130KOHM, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R670	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R671	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
R672,73	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R674	ERJ8GEYJ333	M 33KOHM, J,1/8W	1	
R675	ERJ6ENF2202	M 2.2KOHM, 1/10W	1	
R676	ERJ8GEYJ333	M 33KOHM, J,1/8W	1	
R677	ERJ6GEYJ474	M 470KOHM,J,1/10W	1	
R678	ERJ8GEY0R00	M 0 OHM, 1/8W	1	
R679,80	ERJ8RQJR22V	M0.22 OHM, 1/8W	2	
R682	ERJ6ENF2002	M 20KOHM, 1/10W	1	
R683	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R684	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R685,86	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R687	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R688,89	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R690	ERJ6GEYJ4R7	M 4.7 OHM,J,1/10W	1	
R691	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R692	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R693	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R695	ERJ6ENF1602	M 16KOHM, 1/10W	1	
R696	ERJ8GEYJ100	M 10 OHM, J,1/8W	1	
R697	ERJ6GEYJ4R7	M 4.7 OHM,J,1/10W	1	
R698	ERJ8RQJR22V	M0.22 OHM, 1/8W	1	
R700-08	ERJ8GEYJ105	M 1MOHM, J,1/8W	9	
R711	ERJ8RQJR22V	M0.22 OHM, 1/8W	1	
R712	ERJ6GEYJ4R7	M 4.7 OHM,J,1/10W	1	
R713	ERJ8GEYJ472	M 4.7KOHM, J,1/8W	1	
R714	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R715	ERDS2TJ101	C 100 OHM, J,1/4W	1	
R921	ERJ6RBD3302	M 33KOHM,F,1/10W	1	
R922	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R931	ERJ6ENF3302	M 33KOHM, 1/10W	1	
R932	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R933	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R935	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R936	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R937	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R938	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R939,40	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R943	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R945	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R946	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R947	ERJ8GEYJ331	M 330 OHM, J,1/8W	1	
R950	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R951,52	ERJ8GEYJ100	M 10 OHM, J,1/8W	2	
R953	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R955	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R956	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
RL402,03	TSEH8011	RELAY	2	
S401,02	J0LT00000009	SWITCH	2	
T401	G4D4A0000119	SWITCHING TRANSFORMER	1	
T402	G4D1A0000098	SWITCHING TRANSFORMER	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
T404	G4D4A0000118	SWITCHING TRANSFORMER	1	
T407	ETQ11K5AZ	CHOKE TRANS	1	
T410	ETS25AF115AH	SWITCHING TRANS	1	
T601	G4D2A0000264	SWITCHING TRANS	1	
W9,10	J0JKB0000037	FLAT CORE	2	
X501	H2B400400021	CRYSTAL	1	
Z1,Z2	K4ZZ01000206	TERMINAL	2	
Z420	TMM23417	CLAMPER	2	
Z450-53	EYF52BCY	FUSE HOLDER	4	
ZN401	ERZVGED621T2	VARISTOR	1	
ZN402	D4EAD7510001	VARISTOR	1	
ZN404	ERZVGAD681T2	VARISTOR	1	
ZN405-06	ERZVA7D511	VARISTOR	2	

17. Schematic Diagram for printing with A4

14 Schematic and Block Diagram

14.1. Schematic Diagram Note

Important Safety Notice

Components identified by ⚠ mark have special characteristics important for safety.
When replacing any of these components, use only manufacture's specified parts.

Notes:

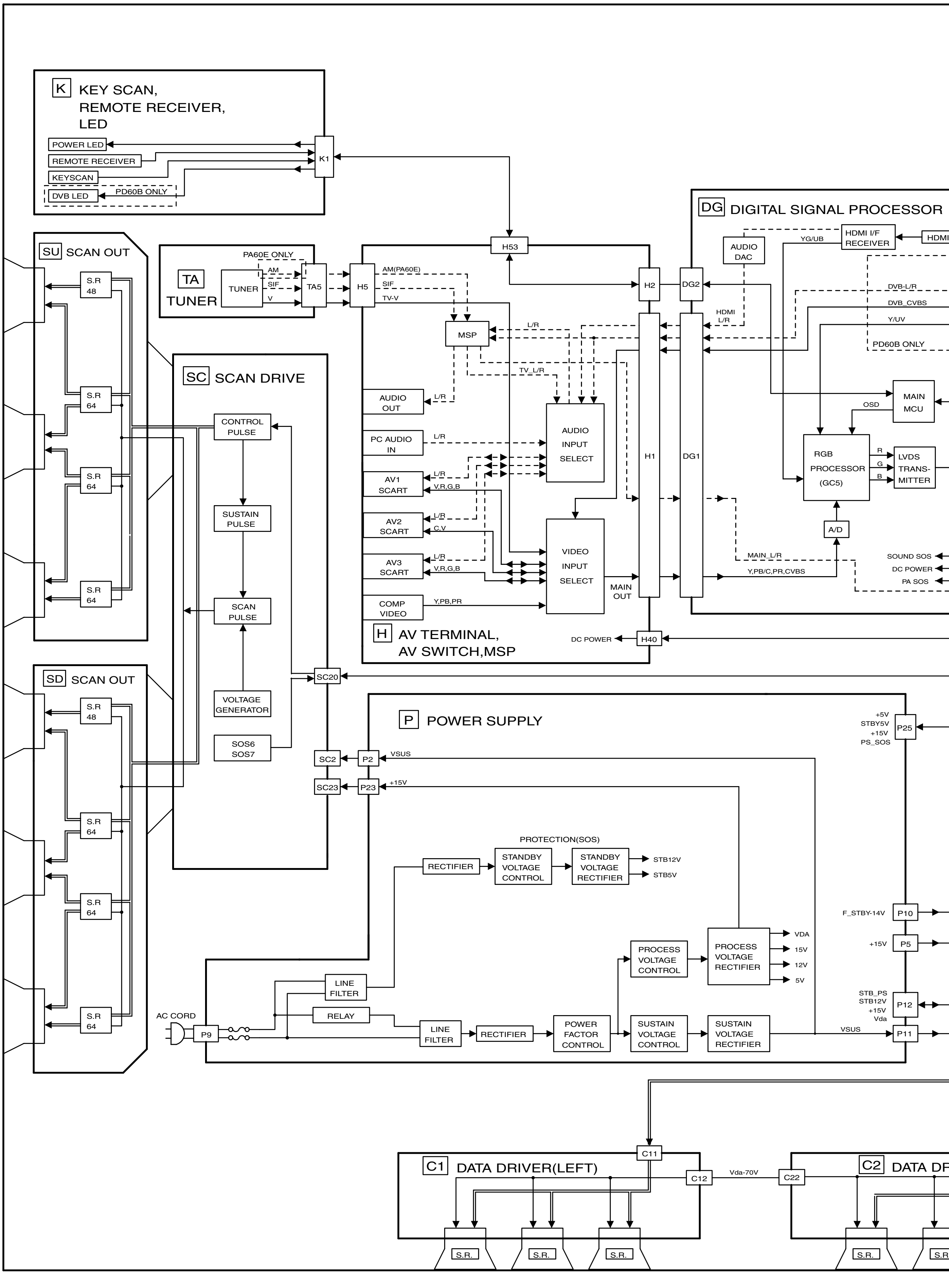
1. **Resistor**
   Unit of resistance is OHM [Ω] (K=1,000, M=1,000,000).
2. **Capacitor**
   Unit of capacitance is μF, unless otherwise noted.
3. Coil
   Unit of inductance is H, unless otherwise noted.
4. Test Point
   ⚲ : Test Point position
5. Earth Symbol
   ⏚ : Chassis Earth (Cold) ▽ : Line Earth (Hot)
6. Voltage Measurement
   Voltage is measured by a DC voltmeter.
   Conditions of the measurement are the following:
   Power Source AC220-240V, 50/60Hz
   Receiving Signal .... Colour Bar signal (RF)
   All customer's controls .... Maximum positions
7. When arrow mark (↗) is found, connection is easily found from the direction of arrow.

8. Indicates the major signal flow. : Video ➡ Audio ⇨
9. This schematic diagram is the latest at the time of printing and subject to change without notice.

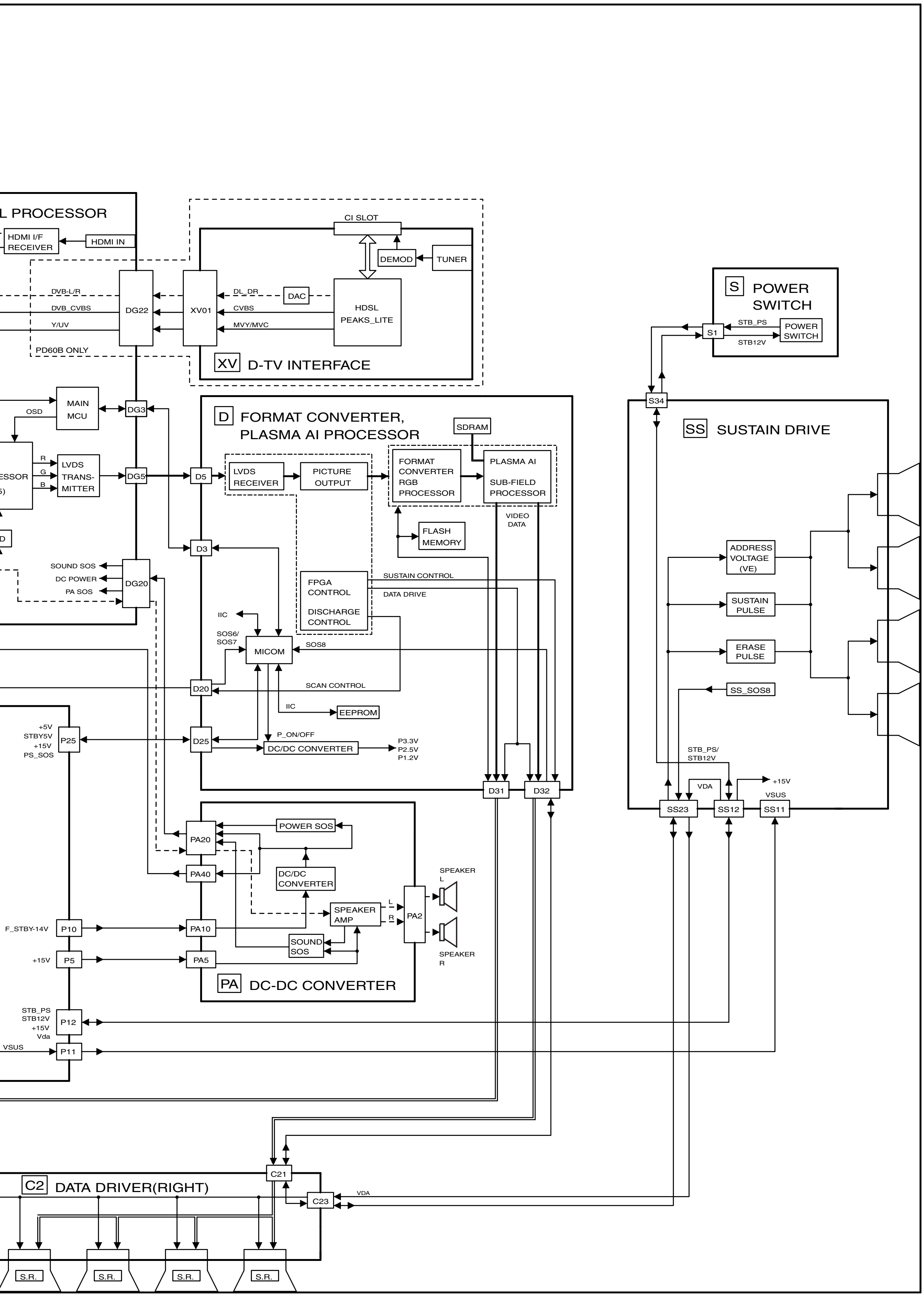
Remarks:

1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection.
   The circuit is defined by HOT and COLD indications in the schematic diagram. Take the follwing precautions.
   All circuits, except the Power Circuit, are cold.
   Precautions
   - a. Do not touch the hot part or the hot and cold parts at the same time or you may be shocked.
   - b. Do not short- circuit the hot and cold circuits or a fuse may blow and parts may break.
   - c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously or a fuse may blow.
     Connect the earth of instruments to the earth connection of the circuit being measured.
   - d. Make sure to disconnect the power plug before removing the chassis.

14.2. Main Block Diagram

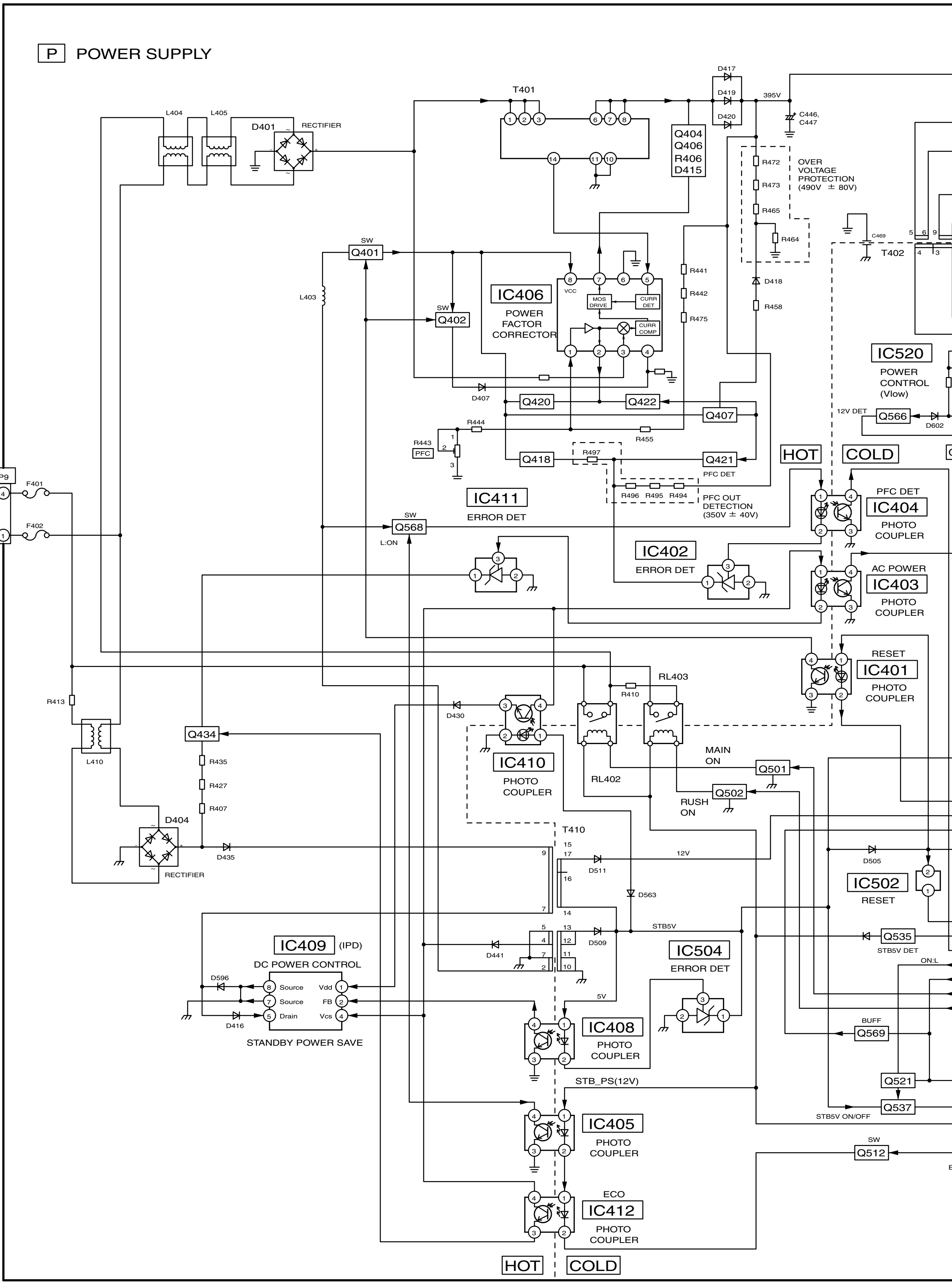

K
KEY SCAN,
REMOTE RECEIVER,
LED
POWER LED
REMOTE RECEIVER
KEYSCAN
DVB LED
PD60B ONLY
K1
DG
DIGITAL SIGNAL PROCESSOR
SU
SCAN OUT
S.R 48
S.R 64
S.R 64
S.R 64
TA
TUNER
PA60E ONLY
TUNER
AM
SIF
V
TA5
H5
AM(PA60E)
SIF
TV-V
H53
H2
DG2
AUDIO DAC
YG/UB
HDMI I/F RECEIVER
HDMI
DVB-L/R
DVB_CVBS
Y/UV
PD60B ONLY
HDMI L/R
MSP
L/R
TV_L/R
SC
SCAN DRIVE
CONTROL PULSE
SUSTAIN PULSE
SCAN PULSE
VOLTAGE GENERATOR
SOS6 SOS7
AUDIO OUT
L/R
PC AUDIO IN
L/R
AUDIO INPUT SELECT
AV1 SCART
L/R
V,R,G,B
AV2 SCART
L/R
C,V
AV3 SCART
L/R
V,R,G,B
COMP VIDEO
Y,PB,PR
VIDEO INPUT SELECT
MAIN OUT
H1
DG1
MAIN MCU
OSD
RGB PROCESSOR (GC5)
R
G
B
LVDS TRANS-MITTER
A/D
MAIN_L/R
Y,PB/C,PR,CVBS
SOUND SOS
DC POWER
PA SOS
H
AV TERMINAL,
AV SWITCH,MSP
DC POWER
H40
SC20
SD
SCAN OUT
S.R 48
S.R 64
S.R 64
S.R 64
P
POWER SUPPLY
+5V
STBY5V
+15V
PS_SOS
P25
SC2
P2
VSUS
SC23
P23
+15V
PROTECTION(SOS)
RECTIFIER
STANDBY VOLTAGE CONTROL
STANDBY VOLTAGE RECTIFIER
STB12V
STB5V
F_STBY-14V
P10
PROCESS VOLTAGE CONTROL
PROCESS VOLTAGE RECTIFIER
VDA
15V
12V
5V
+15V
P5
STB_PS
STB12V
+15V
Vda
P12
LINE FILTER
RELAY
AC CORD
P9
LINE FILTER
RECTIFIER
POWER FACTOR CONTROL
SUSTAIN VOLTAGE CONTROL
SUSTAIN VOLTAGE RECTIFIER
VSUS
P11
C11
C1
DATA DRIVER(LEFT)
C12
Vda-70V
C22
C2
DATA DF
S.R.
S.R.
S.R.
S.R.
S.R

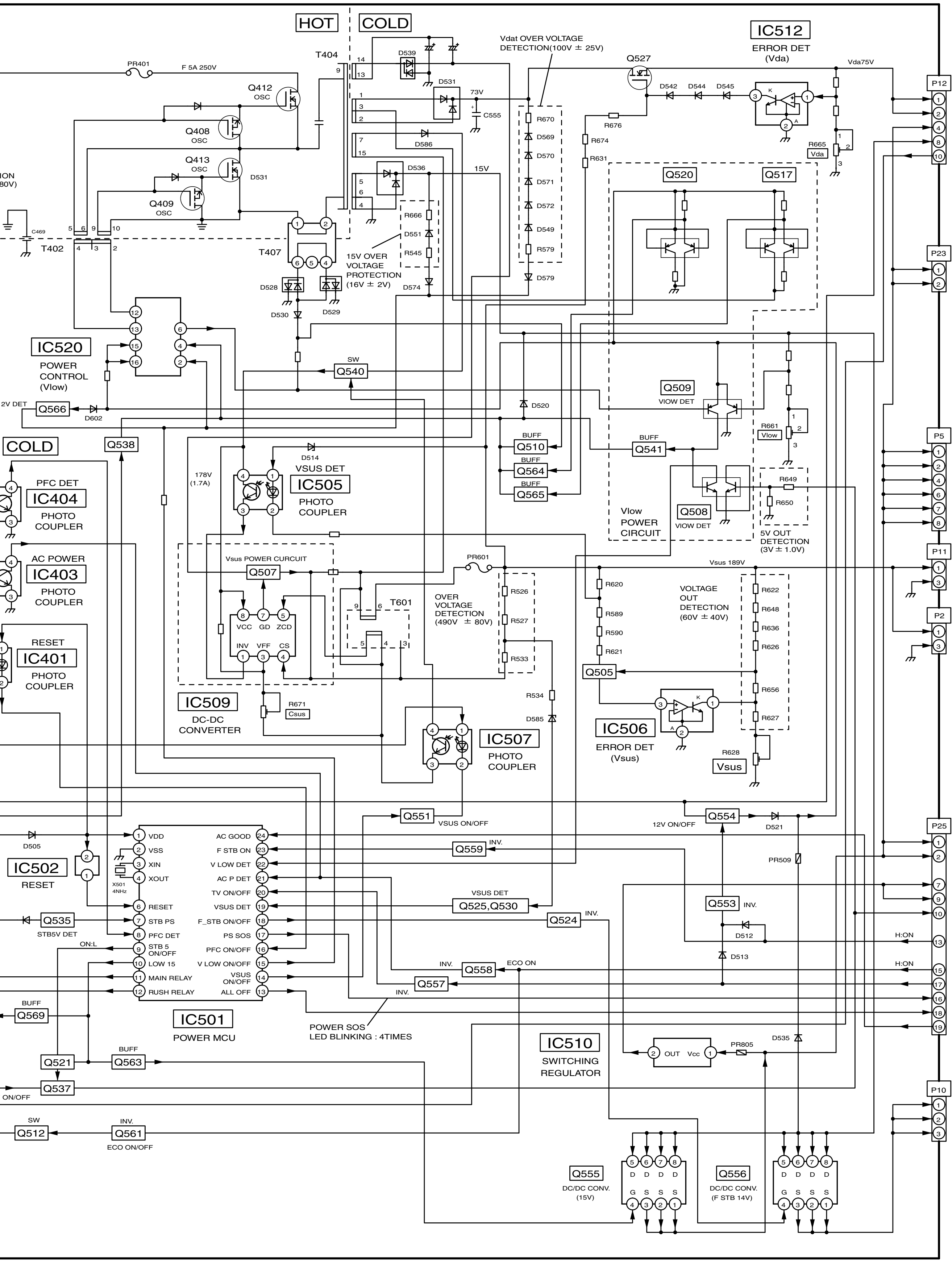
TH-37/42PA60E, TH-37/42PD60B
Main Block Diagram


L PROCESSOR
HDMI I/F RECEIVER
HDMI IN
CI SLOT
DEMOD
TUNER
DVB-L/R
DVB_CVBS
Y/UV
DG22
XV01
DL_DR
DAC
CVBS
MVY/MVC
HDSL PEAKS_LITE
PD60B ONLY
XV D-TV INTERFACE
S POWER SWITCH
STB_PS
STB12V
S1
POWER SWITCH
MAIN MCU
OSD
DG3
D FORMAT CONVERTER, PLASMA AI PROCESSOR
SDRAM
R
G
B
ESSOR
LVDS TRANS-MITTER
DG5
D5
LVDS RECEIVER
PICTURE OUTPUT
FORMAT CONVERTER RGB PROCESSOR
PLASMA AI SUB-FIELD PROCESSOR
VIDEO DATA
FLASH MEMORY
D3
SOUND SOS
DC POWER
PA SOS
DG20
FPGA CONTROL
DISCHARGE CONTROL
SUSTAIN CONTROL
DATA DRIVE
IIC
SOS6/ SOS7
MICOM
SOS8
SCAN CONTROL
D20
IIC
EEPROM
P_ON/OFF
+5V
STBY5V
+15V
PS_SOS
P25
D25
DC/DC CONVERTER
P3.3V
P2.5V
P1.2V
D31
D32
S34
SS SUSTAIN DRIVE
ADDRESS VOLTAGE (VE)
SUSTAIN PULSE
ERASE PULSE
SS_SOS8
STB_PS/ STB12V
+15V
VDA
VSUS
SS23
SS12
SS11
POWER SOS
PA20
PA40
DC/DC CONVERTER
SPEAKER L
SPEAKER AMP
L
R
PA2
SPEAKER R
F_STBY-14V
P10
PA10
SOUND SOS
+15V
P5
PA5
PA DC-DC CONVERTER
STB_PS
STB12V
+15V
Vda
P12
VSUS
P11
C21
C2 DATA DRIVER(RIGHT)
C23
VDA
S.R.
S.R.
S.R.
S.R.

TH-37/42PA60E, TH-37/42PD60B
Main Block Diagram

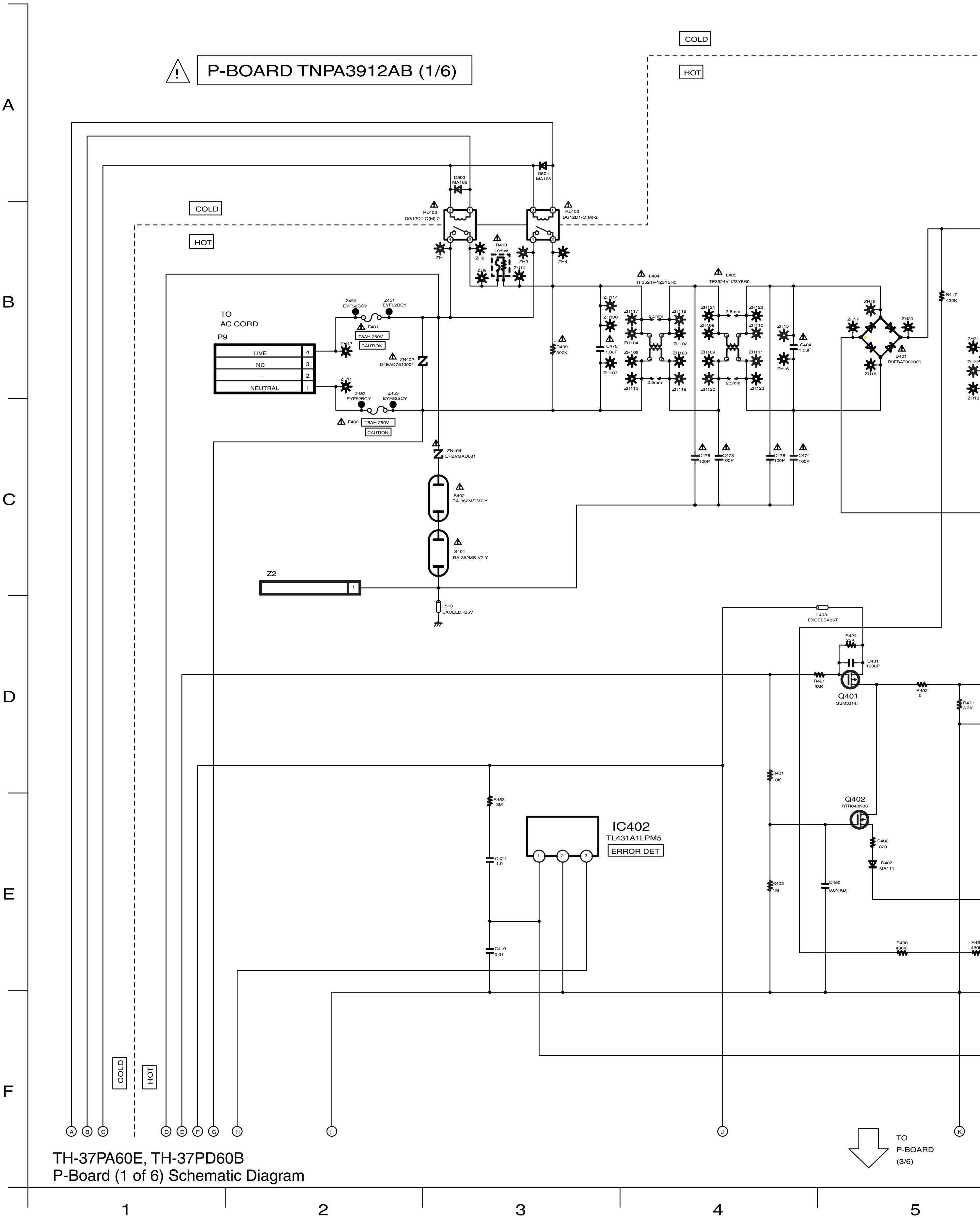
14.3. P-Board Block Diagram (37inch)


P
POWER SUPPLY
D417
T401
D419
395V
C446, C447
D420
L404
L405
D401
RECTIFIER
Q404
Q406
R406
D415
R472
OVER VOLTAGE PROTECTION (490V ± 80V)
R473
R465
R464
C469
T402
SW
Q401
R441
D418
L403
IC406
VCC
MOS DRIVE
CURR DET
CURR COMP
R442
R458
SW
Q402
POWER FACTOR CORRECTOR
R475
IC520
POWER CONTROL (Vlow)
D407
Q420
Q422
Q407
12V DET
Q566
D602
R444
R455
R443
PFC
R497
Q418
Q421
PFC DET
HOT
COLD
TO AC CORD
P9
F401
LIVE
F402
NEUTRAL
R496
R495
R494
PFC OUT DETECTION (350V ± 40V)
IC411
ERROR DET
PFC DET
IC404
PHOTO COUPLER
SW
Q568
L:ON
IC402
ERROR DET
AC POWER
IC403
PHOTO COUPLER
RESET
IC401
PHOTO COUPLER
RL403
R410
R413
D430
IC410
PHOTO COUPLER
Q434
R435
R427
R407
L410
RL402
MAIN ON
Q501
Q502
RUSH ON
D404
T410
D435
RECTIFIER
12V
D511
D505
D563
IC502
RESET
D441
D509
STB5V
Q535
STB5V DET
IC409 (IPD)
DC POWER CONTROL
IC504
ERROR DET
ON:L
D596
Source
Source
Drain
Vdd
FB
Vcs
D416
STANDBY POWER SAVE
5V
IC408
PHOTO COUPLER
BUFF
Q569
STB_PS(12V)
Q521
Q537
STB5V ON/OFF
IC405
PHOTO COUPLER
SW
Q512
ECO
IC412
PHOTO COUPLER
HOT
COLD

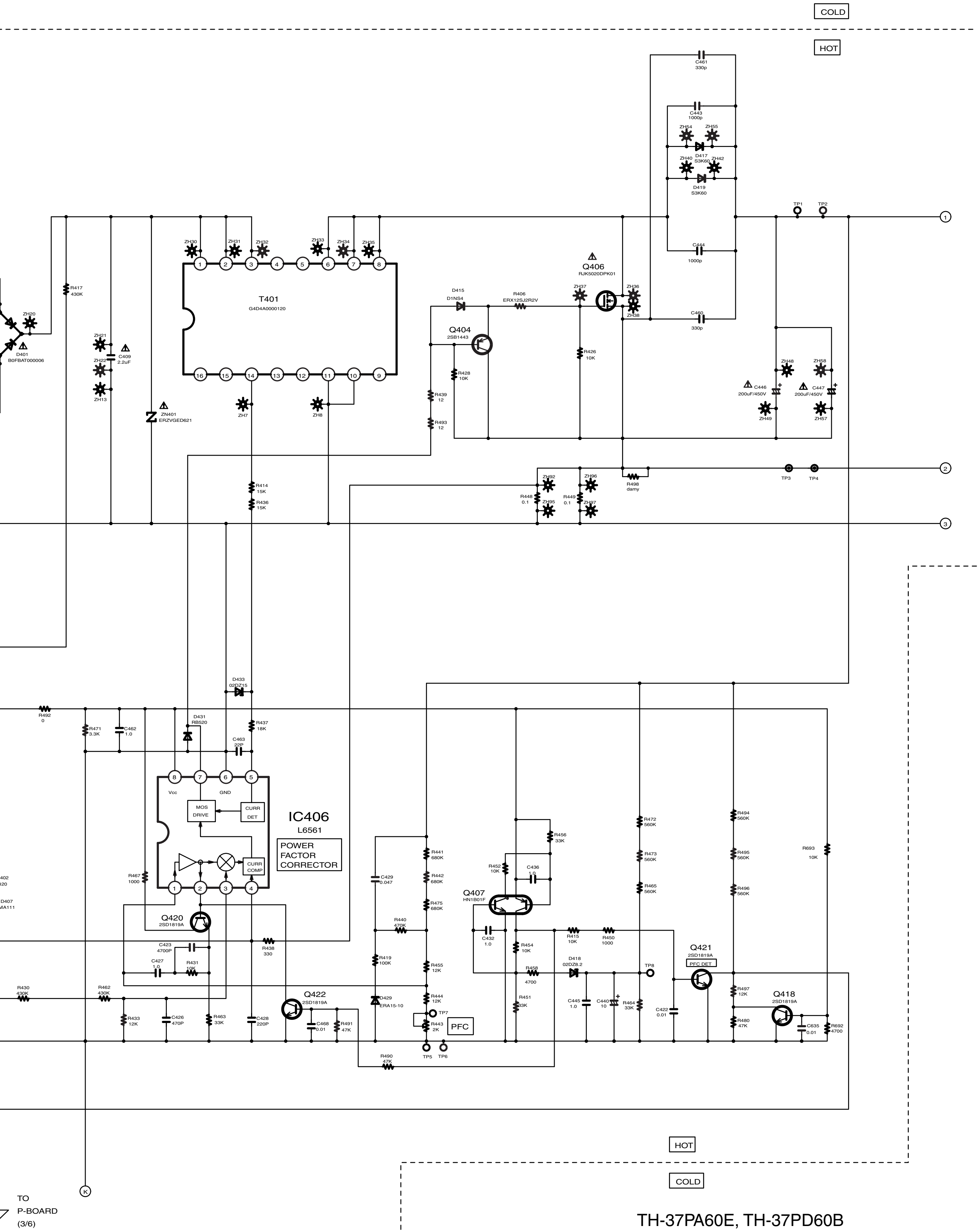

HOT
COLD
T404
PR401
F 5A 250V
Q412
OSC
Q408
OSC
Q413
OSC
Q409
OSC
D531
C469
T402
T407
D528
D530
D529
D539
D531
73V
C555
D586
D536
15V
R666
D551
R545
D574
15V OVER VOLTAGE PROTECTION (16V ± 2V)
Vdat OVER VOLTAGE DETECTION(100V ± 25V)
R670
D569
D570
D571
D572
D549
R579
D579
Q527
R676
R674
R631
D542
D544
D545
IC512
ERROR DET (Vda)
Vda75V
R665
Vda
Q520
Q517
P12
TO SS12
Vda
Vda
+15V
STB12V
STB_PS
P23
TO SC23
+15V
+15V
IC520
POWER CONTROL (Vlow)
Q566
D602
2V DET
SW
Q540
D520
Q509
VIOW DET
R661
Vlow
BUFF
Q510
BUFF
Q564
BUFF
Q565
BUFF
Q541
Q508
VIOW DET
Vlow POWER CIRCUIT
R649
R650
5V OUT DETECTION (3V ± 1.0V)
P5
TO PA5
+15Vc
+15Vc
+15Vc
+15Vs(S)
+15Vs(W)
+15Vs(W)
COLD
Q538
PFC DET
IC404
PHOTO COUPLER
AC POWER
IC403
PHOTO COUPLER
RESET
IC401
PHOTO COUPLER
D514
VSUS DET
IC505
PHOTO COUPLER
178V (1.7A)
Vsus POWER CURCUIT
Q507
VCC GD ZCD
INV VFF CS
IC509
DC-DC CONVERTER
R671
Csus
PR601
T601
OVER VOLTAGE DETECTION (490V ± 80V)
R526
R527
R533
R534
D585
IC507
PHOTO COUPLER
Vsus 189V
R620
R589
R590
R621
Q505
VOLTAGE OUT DETECTION (60V ± 40V)
R622
R648
R636
R626
R656
R627
IC506
ERROR DET (Vsus)
R628
Vsus
P11
TO SS11
Vsus
GND
P2
TO SC2
Vsus
GND
Q551
VSUS ON/OFF
12V ON/OFF
Q554
D521
PR509
P25
TO D25
+15Vc
+15Vc
+5Vc
+5Vc
STBY5V
H:ON
F_STBY_ON
H:ON
ECO_ON
PANEL_MAIN_ON
PS_SOS
ALL_OFF
AC_GOOD
D505
IC502
RESET
X501 4NHz
Q535
STB5V DET
ON:L
VDD
VSS
XIN
XOUT
RESET
STB PS
PFC DET
STB 5 ON/OFF
LOW 15
MAIN RELAY
RUSH RELAY
AC GOOD
F STB ON
V LOW DET
AC P DET
TV ON/OFF
VSUS DET
F_STB ON/OFF
PS SOS
PFC ON/OFF
V LOW ON/OFF
VSUS ON/OFF
ALL OFF
IC501
POWER MCU
Q559
INV.
VSUS DET
Q525,Q530
Q524
INV.
Q553
INV.
D512
D513
Q558
INV.
ECO ON
Q557
INV.
POWER SOS LED BLINKING : 4TIMES
BUFF
Q569
Q521
BUFF
Q563
Q537
ON/OFF
SW
Q512
INV.
Q561
ECO ON/OFF
IC510
SWITCHING REGULATOR
OUT Vcc
PR805
D535
P10
TO PA10
F STB 14V
F STB 14V
F STB 14V
Q555
DC/DC CONV. (15V)
Q556
DC/DC CONV. (F STB 14V)
D D D D
G S S S

TH-37PA60E, TH-37PD60B
P-Board Block Diagram

14.4. P-Board (1 of 6) Schematic Diagram (37inch)


A
B
C
D
E
F
1
2
3
4
5
COLD
HOT
P-BOARD TNPA3912AB (1/6)
COLD
HOT
D503
MA165
D504
MA165
RL403
DG12D1-O(M)-2
RL402
DG12D1-O(M)-2
ZH1
ZH2
ZH3
ZH4
R410
10/5W
ZH9
ZH10
L404
TF3524V-123Y5R0
L405
TF3524V-123Y5R0
R417
430K
TO
AC CORD
P9
LIVE
NC
-
NEUTRAL
4
3
2
1
Z450
EYF52BCY
Z451
EYF52BCY
F401
T8AH 250V
CAUTION
ZH12
ZN402
D4EAD7510001
ZH11
Z452
EYF52BCY
Z453
EYF52BCY
F402
T8AH 250V
CAUTION
R499
390K
ZH114
ZH106
C470
1.0uF
ZH107
ZH117
ZH104
ZH105
ZH116
2.5mm
ZH118
ZH102
ZH103
ZH119
ZH121
ZH108
ZH109
ZH120
ZH122
ZH110
ZH111
ZH123
ZH15
ZH16
C404
1.0uF
ZH19
ZH17
ZH20
ZH18
D401
B0FBAT000006
ZH21
ZH22
ZH13
ZN404
ERZVGAD681
C476
100P
C473
100P
C478
100P
C474
100P
S402
RA-362MS-V7-Y
S401
RA-362MS-V7-Y
Z2
1
L513
EXCELDR25V
L403
EXCELSA35T
R424
22K
C431
1000P
R421
33K
Q401
SSM3J14T
R492
0
R471
3.3K
R401
10K
Q402
RTR040N03
R453
3M
IC402
TL431A1LPM5
ERROR DET
1
2
3
R402
820
D407
MA111
C421
1.0
R403
1M
C450
0.01[KB]
C410
0.01
R430
430K
R46
430
COLD
HOT
A
B
C
D
E
F
G
H
I
J
K
TO
P-BOARD
(3/6)

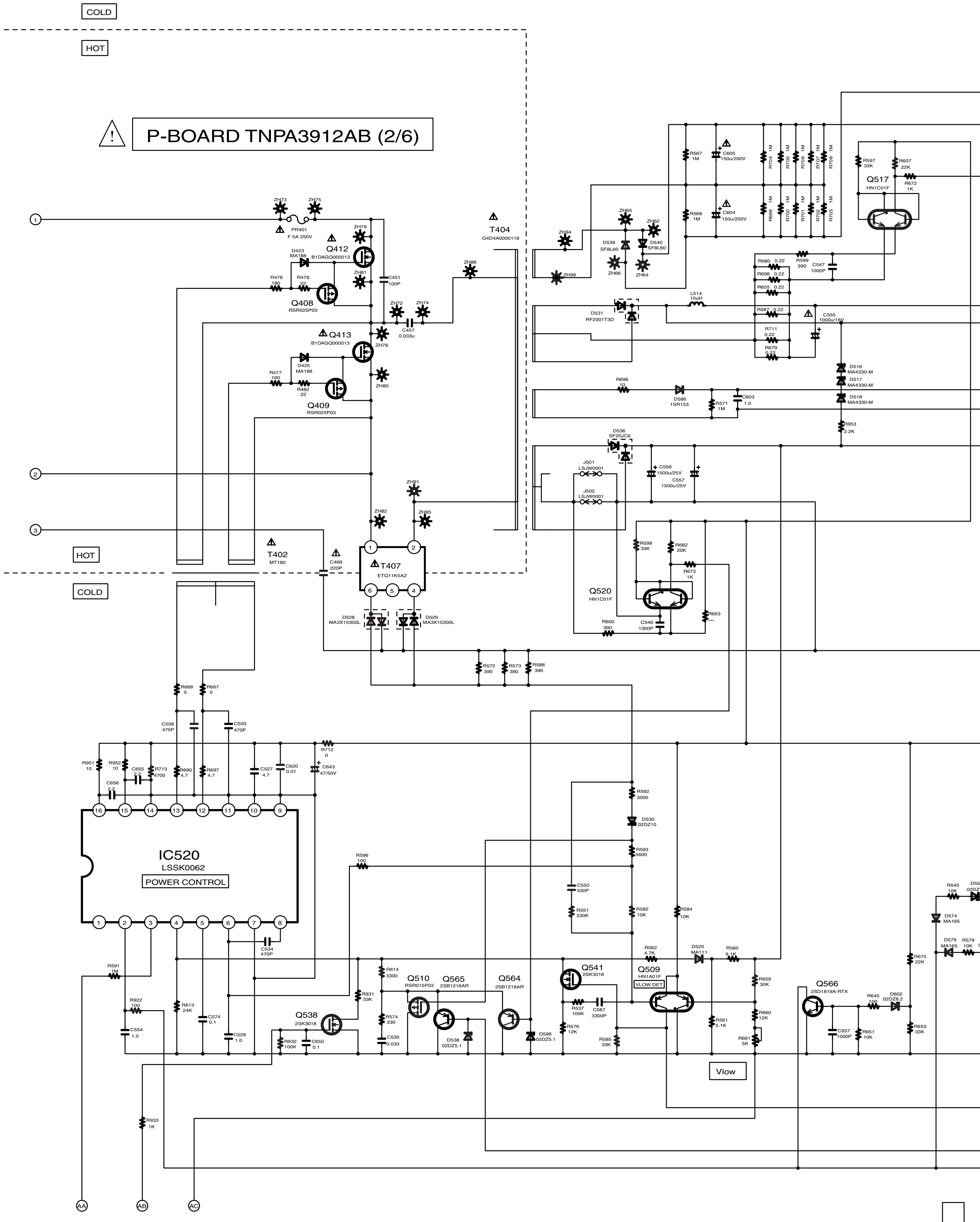
TH-37PA60E, TH-37PD60B
P-Board (1 of 6) Schematic Diagram


COLD
HOT
C461 330p
C443 1000p
ZH54
ZH55
D417 S3K60
ZH40
ZH42
D419 S3K60
C444 1000p
C460 330p
TP1
TP2
1
2
3
T401
G4D4A0000120
ZH30
ZH31
ZH32
ZH33
ZH34
ZH35
ZH7
ZH8
R417 430K
ZH20
D401 B0FBAT000006
ZH21
ZH22
ZH13
C409 2.2uF
ZN401 ERZVGED621
Q406 RJK5020DPK01
ZH37
ZH36
ZH38
D415 D1NS4
R406 ERX12SJ2R2V
Q404 2SB1443
R428 10K
R426 10K
R439 12
R493 12
ZH48
ZH58
C446 200uF/450V
C447 200uF/450V
ZH49
ZH57
ZH92
ZH96
R448 0.1
ZH95
R449 0.1
ZH97
R498 damy
TP3
TP4
R414 15K
R436 15K
D433 02DZ15
R492 0
R471 3.3K
C462 1.0
D431 RB520
R437 18K
C463 22P
IC406
L6561
POWER FACTOR CORRECTOR
Vcc
GND
MOS DRIVE
CURR DET
CURR COMP
R467 1000
Q420 2SD1819A
C423 4700P
R438 330
C427 1.0
R431 10K
R430 430K
R462 430K
R433 12K
C426 470P
R463 33K
C428 220P
Q422 2SD1819A
C468 0.01
R491 47K
C429 0.047
R441 680K
R442 680K
R475 680K
R440 470K
R419 100K
R455 12K
D429 ERA15-10
R444 12K
TP7
R443 2K
PFC
R490 47K
TP5
TP6
R456 33K
R452 10K
C436 1.0
Q407 HN1B01F
C432 1.0
R454 10K
R458 4700
R451 33K
R415 10K
R450 1000
D418 02DZ8.2
C445 1.0
C440 10
R464 33K
TP8
C422 0.01
R472 560K
R473 560K
R465 560K
R494 560K
R495 560K
R496 560K
Q421 2SD1819A
PFC DET
R497 12K
R480 47K
Q418 2SD1819A
C635 0.01
R692 4700
R693 10K
402
20
D407
MA111
K
TO P-BOARD (3/6)

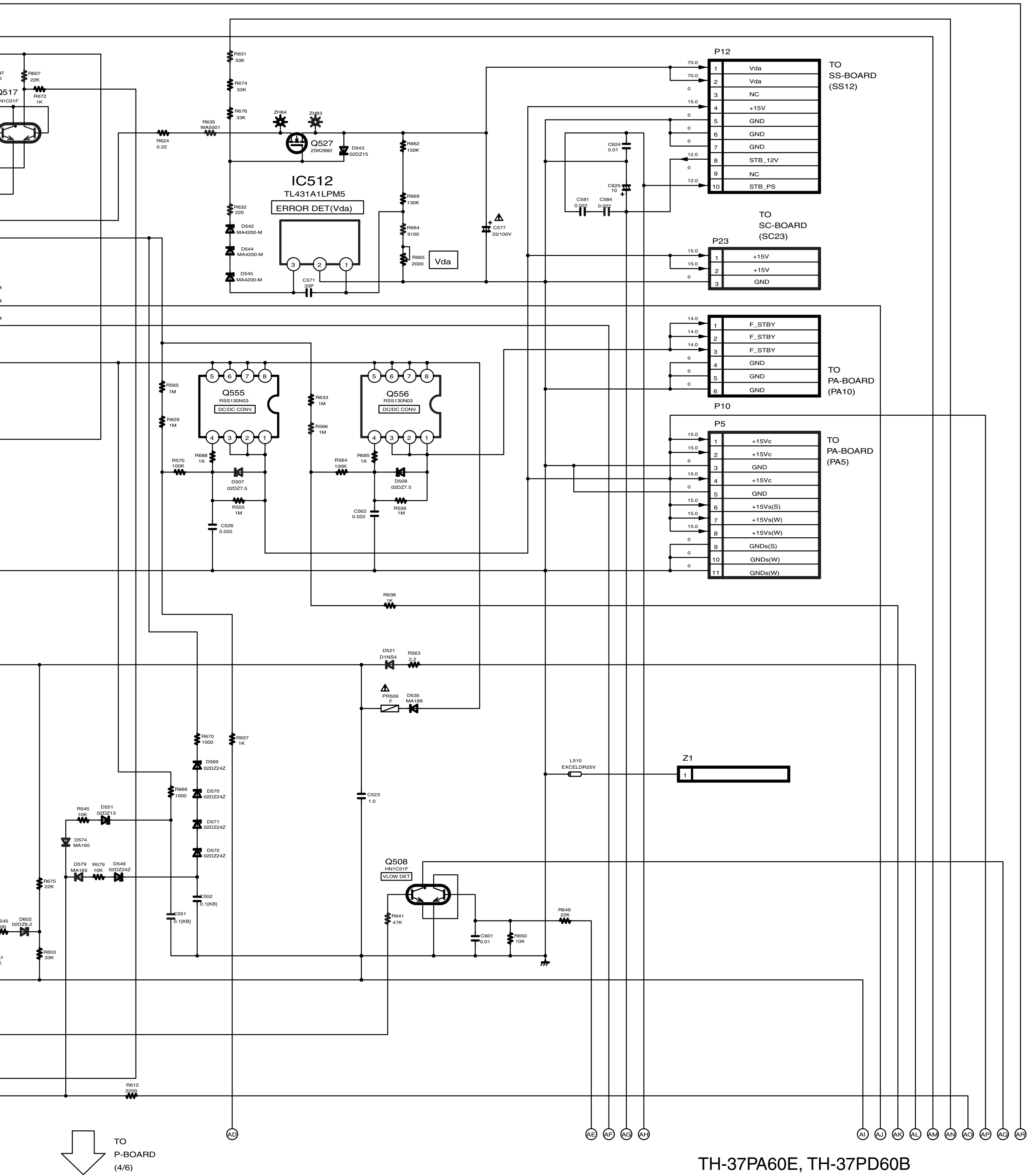
TH-37PA60E, TH-37PD60B
P-Board (1 of 6) Schematic Diagram

5 6 7 8 9

14.5. P-Board (2 of 6) Schematic Diagram (37inch)


COLD
HOT
P-BOARD TNPA3912AB (2/6)
1
2
3
HOT
COLD
ZH73
ZH75
PR401
F 5A 250V
ZH79
D423
MA188
Q412
B1DAGQ000013
ZH81
C451
100P
R476
180
R478
22
Q408
RSR025P03
ZH72
ZH74
C457
0.033u
Q413
B1DAGQ000013
ZH78
ZH80
D425
MA188
R477
180
R482
22
Q409
RSR025P03
T404
G4D4A0000118
ZH86
ZH91
ZH82
ZH85
T402
MT180
C469
220P
T407
ETQ11K5AZ
D528
MA3X15300L
D529
MA3X15300L
R572
390
R573
390
R588
390
R668
0
R667
0
C508
470P
C503
470P
R712
0
C643
47/50V
R951
10
R952
10
C655
2.2
R713
4700
R690
4.7
R697
4.7
C527
4.7
C620
0.01
C656
2.2
IC520
LSSK0062
POWER CONTROL
C534
470P
R591
1M
R922
100
C554
1.0
R613
24K
C574
0.1
C528
1.0
R933
1K
AA
AB
AC
R596
100
R614
3300
R931
33K
R574
330
C530
0.033
Q538
2SK3018
R932
100K
C650
0.1
Q510
RSR015P03
Q565
2SB1218AR
Q564
2SB1218AR
D538
02DZ5.1
D598
02DZ5.1
Q541
2SK3018
R537
100K
C587
3300P
R576
12K
R585
33K
Q509
HN1A01F
VLOW DET
R562
4.7K
D520
MA111
R560
9.1K
R561
5.1K
R659
30K
R660
12K
R661
5K
Vlow
R592
3000
D530
02DZ10
R593
5600
C550
330P
R551
330K
R582
10K
R584
10K
Q566
2SD1819A-RTX
R645
100
D602
02DZ8.2
C657
1000P
R651
10K
R653
33K
R675
22K
R545
10K
D574
MA165
D579
MA165
R579
10K
ZH94
ZH99
ZH65
ZH62
D539
SF8L60
D540
SF8L60
ZH66
ZH64
R567
1M
C605
150u/200V
R568
1M
C604
150u/200V
R704 1M
R705 1M
R706 1M
R707 1M
R708 1M
R699 1M
R700 1M
R701 1M
R702 1M
R703 1M
R597
33K
R607
22K
Q517
HN1C01F
R672
1K
R599
390
C547
1000P
R680 0.22
R698 0.22
R655 0.22
R587 0.22
R711
0.22
R679
0.22
L514
10uH
D531
RF2001T3D
C555
1000u/16V
D516
MA4330-M
D517
MA4330-M
D518
MA4330-M
R953
2.2K
R696
10
D586
1SR153
R571
1M
C603
1.0
D536
SF20JC6
J501
LSJW0001
J502
LSJW0001
C556
1500u/25V
C557
1500u/25V
R598
33K
R682
20K
R673
1K
Q520
HN1C01F
R663
R600
390
C546
1000P

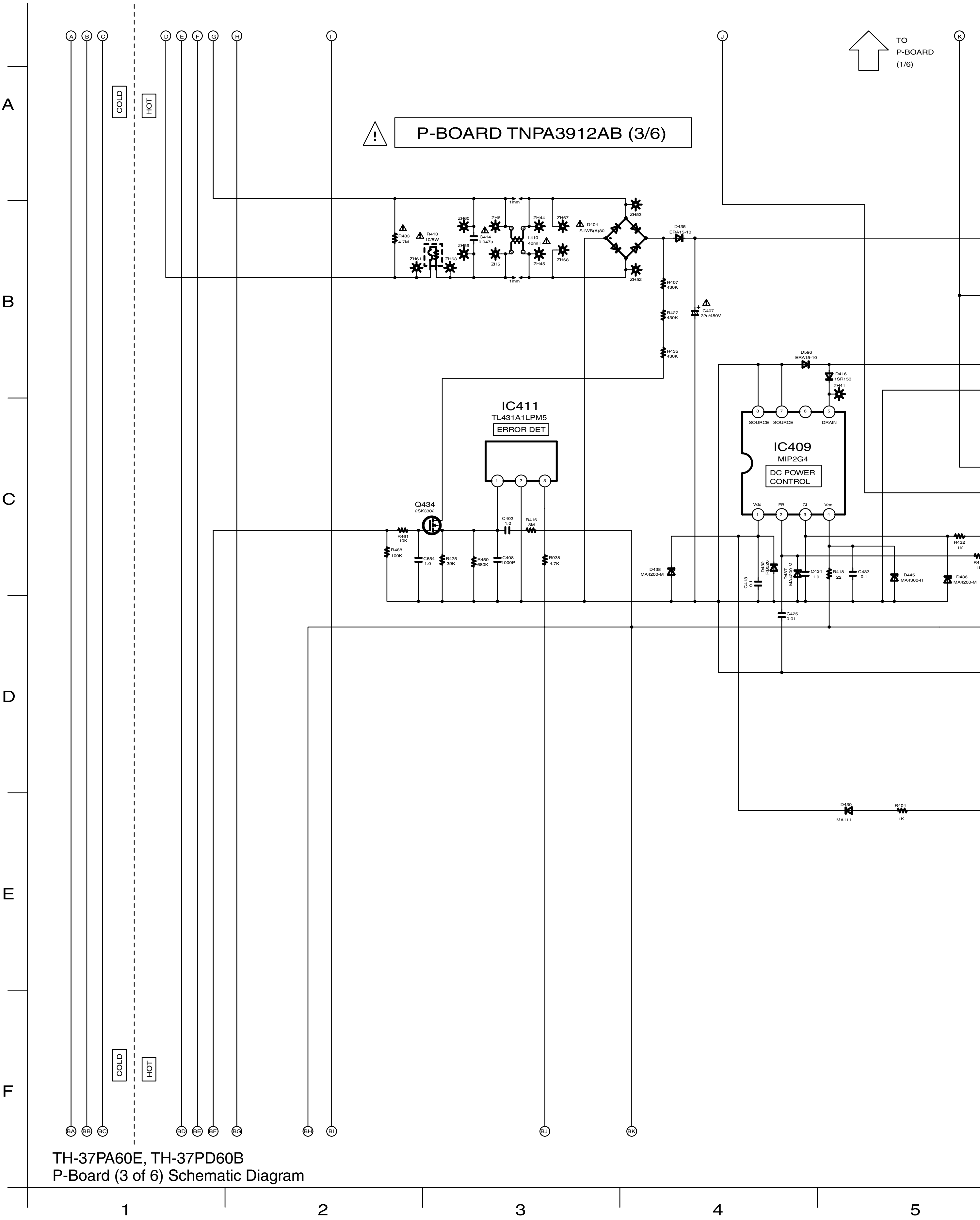
10 11 12 13 14


Q517
R607 22K
R672 1K
HN1C01F
R631 33K
R674 33K
R676 33K
R635 WA5001
R624 0.22
ZH84
ZH83
Q527 2SK2882
D543 02DZ15
R662 150K
IC512
TL431A1LPM5
ERROR DET(Vda)
R632 220
D542 MA4200-M
D544 MA4200-M
D545 MA4200-M
C571 33P
R669 130K
R664 9100
R665 2000
Vda
C577 33/100V
C624 0.01
C625 10
C581 0.022
C584 0.022
P12
Vda
Vda
NC
+15V
GND
GND
GND
STB_12V
NC
STB_PS
TO SS-BOARD (SS12)
TO SC-BOARD (SC23)
P23
+15V
+15V
GND
F_STBY
F_STBY
F_STBY
GND
GND
GND
TO PA-BOARD (PA10)
P10
P5
+15Vc
+15Vc
GND
+15Vc
GND
+15Vs(S)
+15Vs(W)
+15Vs(W)
GNDs(S)
GNDs(W)
GNDs(W)
TO PA-BOARD (PA5)
R565 1M
R629 1M
Q555
RSS130N03
DC/DC CONV.
R688 1K
R570 100K
D507 02DZ7.5
R555 1M
C526 0.022
R633 1M
R566 1M
Q556
RSS130N03
DC/DC CONV.
R685 1K
R564 100K
D508 02DZ7.5
R556 1M
C562 0.022
R638 1K
D521 D1NS4
R563 2.2
PR509 F
D535 MA188
R670 1000
R937 1K
D569 02DZ24Z
D570 02DZ24Z
D571 02DZ24Z
D572 02DZ24Z
R666 1000
C551 0.1[KB]
C552 0.1[KB]
R545 10K
D551 02DZ13
D574 MA165
D579 MA165
R579 10K
D549 02DZ24Z
R675 22K
D602 02DZ8.2
R653 33K
C523 1.0
L510 EXCELDR25V
Z1
Q508
HN1C01F
VLOW DET
R641 47K
C601 0.01
R650 10K
R649 22K
R612 2200
AD
AE
AF
AG
AH
AI
AJ
AK
AL
AM
AN
AO
AP
AQ
AR
TO P-BOARD (4/6)

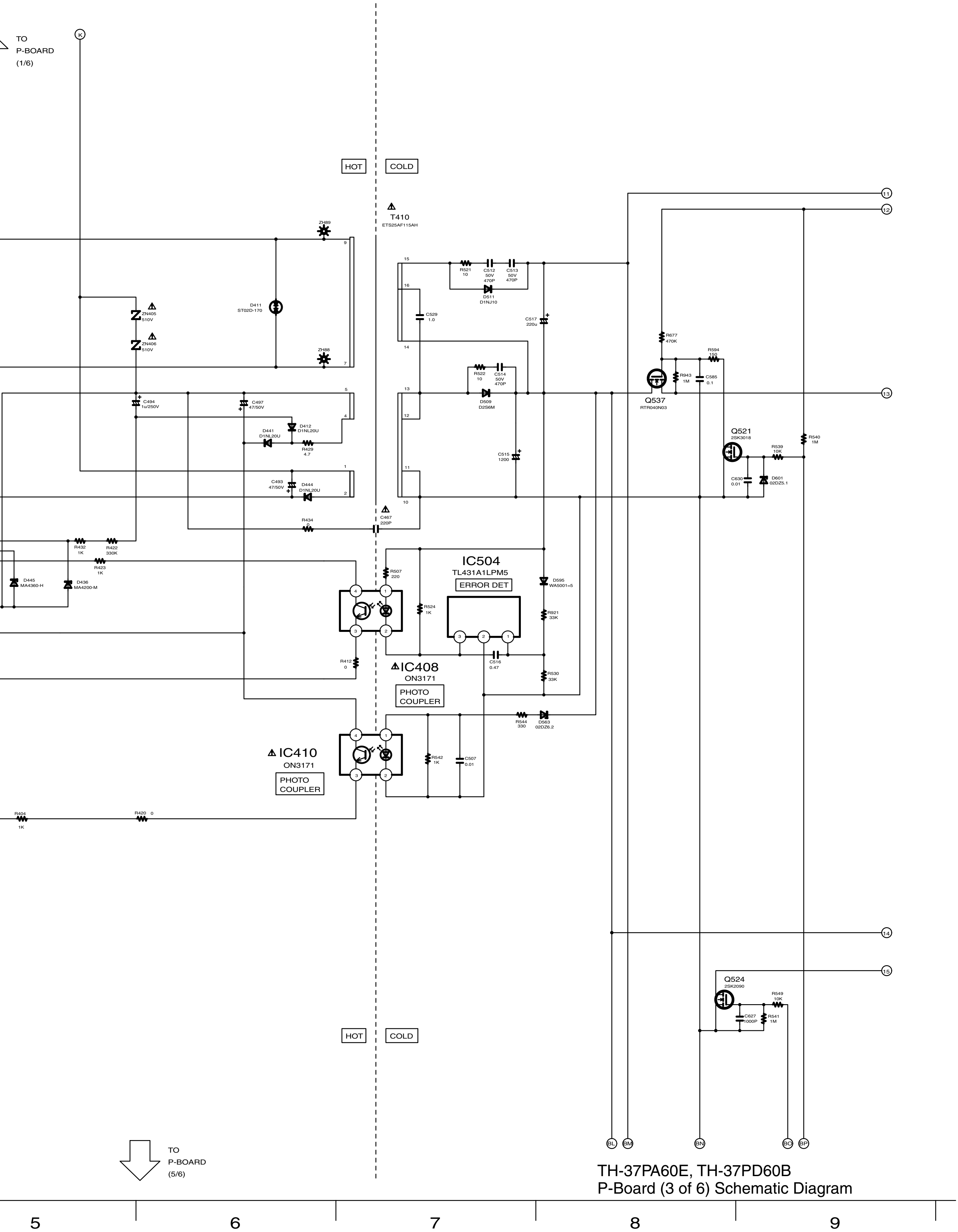
TH-37PA60E, TH-37PD60B
P-Board (2 of 6) Schematic Diagram

14	15	16	17	18

14.6. P-Board (3 of 6) Schematic Diagram (37inch)

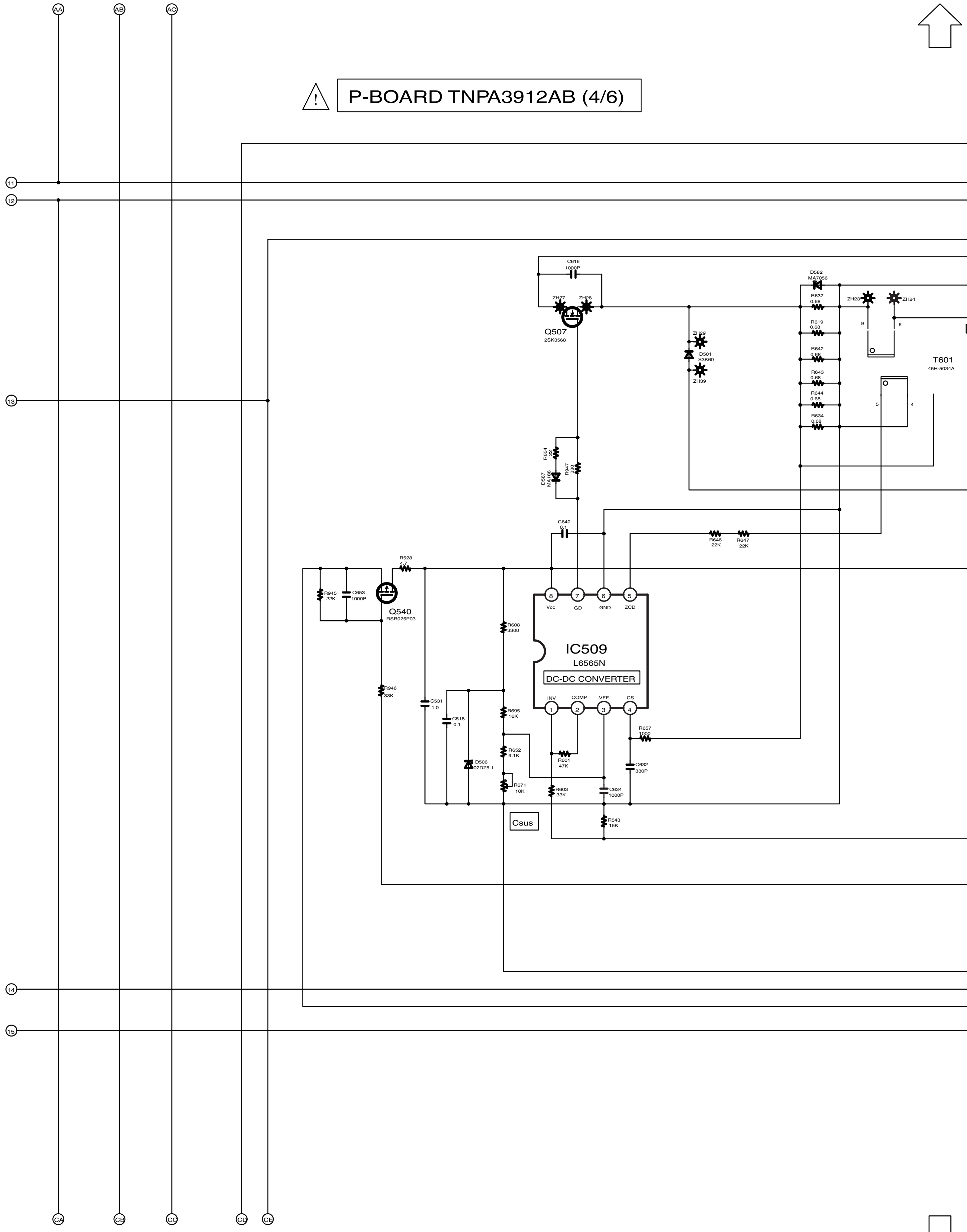

A
B
C
D
E
F
1
2
3
4
5
COLD
HOT
A B C D E F G H I J K
TO
P-BOARD
(1/6)
P-BOARD TNPA3912AB (3/6)
R483
4.7M
R413
10/5W
ZH61
ZH63
ZH60
ZH59
C414
0.047u
ZH6
ZH5
1mm
L410
40mH
ZH44
ZH45
ZH67
ZH68
D404
S1WB(A)80
ZH53
ZH52
D435
ERA15-10
R407
430K
R427
430K
R435
430K
C407
22u/450V
D596
ERA15-10
D416
1SR153
ZH41
IC411
TL431A1LPM5
ERROR DET
1 2 3
IC409
MIP2G4
DC POWER
CONTROL
8 SOURCE
7 SOURCE
6
5 DRAIN
1 Vdd
2 FB
3 CL
4 Vcc
Q434
2SK3302
R461
10K
R488
100K
C654
1.0
R425
39K
R459
680K
C402
1.0
C408
1000P
R416
3M
R938
4.7K
D438
MA4200-M
C413
0.1
D432
RB520
D437
MA4200-M
C434
1.0
R418
22
C433
0.1
D445
MA4360-H
D436
MA4200-M
R432
1K
C425
0.01
D430
MA111
R404
1K
BA BB BC BD BE BF BG BH BI BJ BK

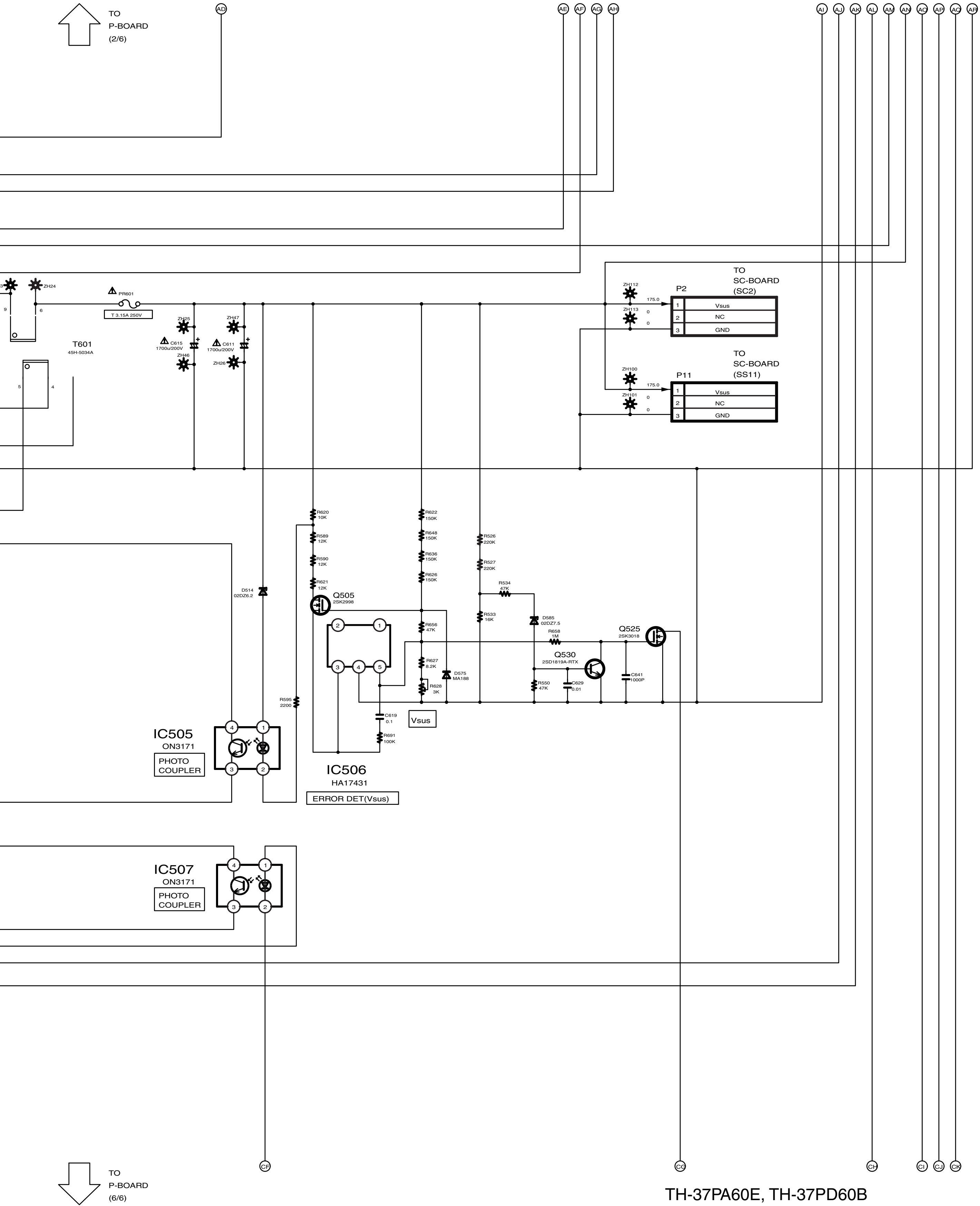
TH-37PA60E, TH-37PD60B
P-Board (3 of 6) Schematic Diagram


TO
P-BOARD
(1/6)
K
HOT
COLD
T410
ETS25AF115AH
ZH89
ZH88
9
7
5
4
1
2
D411
ST02D-170
ZN405
510V
ZN406
510V
C494
1u/250V
C497
47/50V
D412
D1NL20U
D441
D1NL20U
R429
4.7
C493
47/50V
D444
D1NL20U
R434
0
C467
220P
R432
1K
R422
330K
R423
1K
D445
MA4360-H
D436
MA4200-M
15
16
14
13
12
11
10
R521
10
C512
50V
470P
C513
50V
470P
D511
D1NJ10
C529
1.0
C517
220u
R522
10
C514
50V
470P
D509
D2S6M
C515
1200
R677
470K
R594
150
R943
1M
C585
0.1
Q537
RTR040N03
Q521
2SK3018
R539
10K
R540
1M
C630
0.01
D601
02DZ5.1
11
12
13
IC504
TL431A1LPM5
ERROR DET
R507
220
R524
1K
D595
WA5001=5
R921
33K
C516
0.47
R530
33K
R412
0
IC408
ON3171
PHOTO
COUPLER
R544
330
D563
02DZ6.2
IC410
ON3171
PHOTO
COUPLER
R542
1K
C507
0.01
R404
1K
R420 0
14
15
Q524
2SK2090
R549
10K
C627
1000P
R541
1M
HOT
COLD
BL
BM
BN
BO
BP
TO
P-BOARD
(5/6)
5
6
7
8
9

TH-37PA60E, TH-37PD60B
P-Board (3 of 6) Schematic Diagram

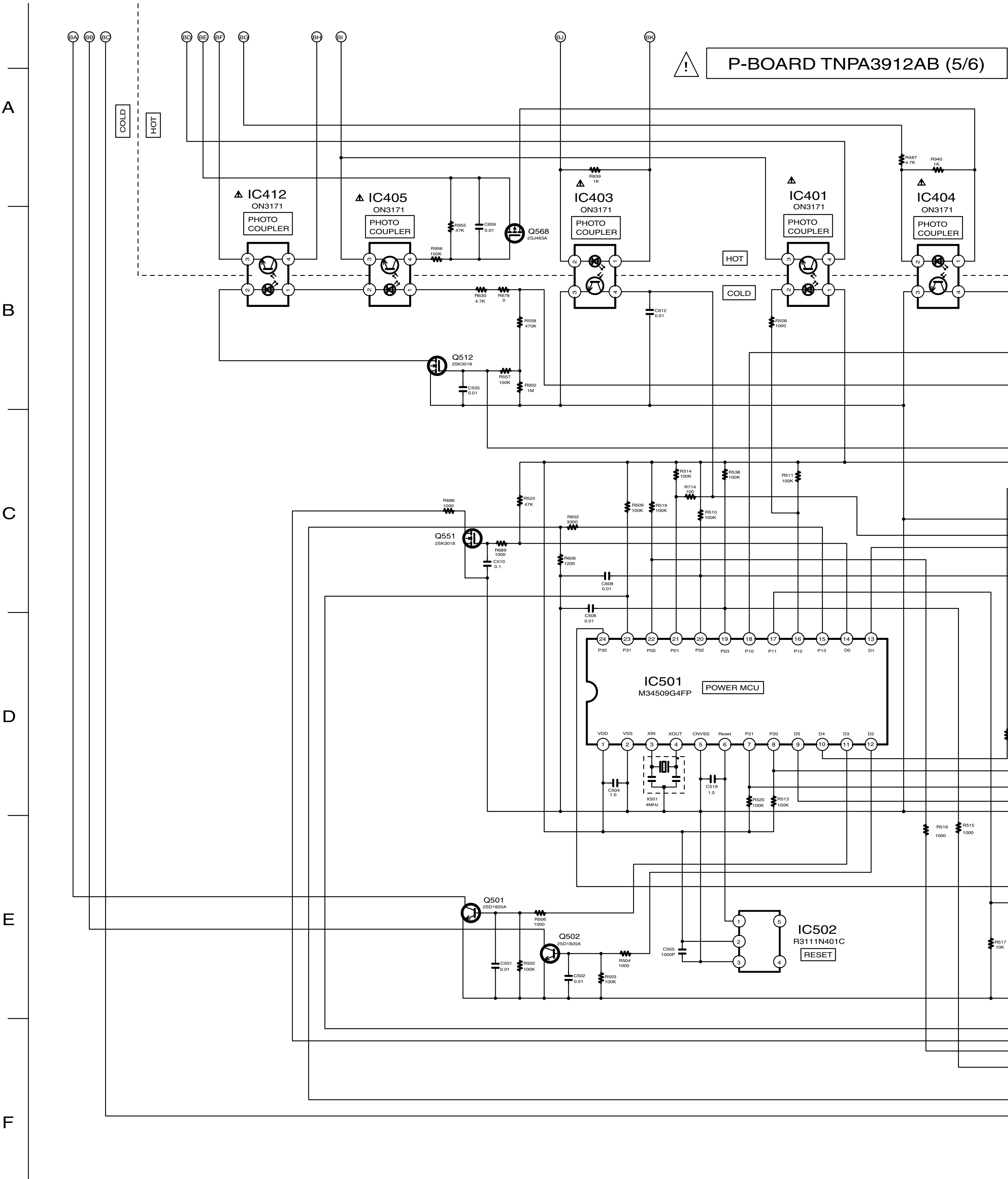
14.7. P-Board (4 of 6) Schematic Diagram (37inch)


P-BOARD TNPA3912AB (4/6)
AA
AB
AC
11
12
13
14
15
CA
CB
CC
CD
CE
C616
1000P
ZH27
ZH28
Q507
2SK3568
ZH29
D501
S3K60
ZH39
D582
MA7056
R637
0.68
R619
0.68
R642
0.68
R643
0.68
R644
0.68
R634
0.68
ZH23
ZH24
9
6
5
4
T601
45H-5034A
R654
22
D587
MA188
R947
330
C640
0.1
R646
22K
R647
22K
R528
4.7
R945
22K
C653
1000P
Q540
RSR025P03
R608
3300
R946
33K
C531
1.0
C518
0.1
D506
02DZ5.1
R695
16K
R652
9.1K
R671
10K
Csus
8
7
6
5
Vcc
GD
GND
ZCD
IC509
L6565N
DC-DC CONVERTER
INV
COMP
VFF
CS
1
2
3
4
R657
1000
R601
47K
R603
33K
C634
1000P
C632
330P
R543
15K

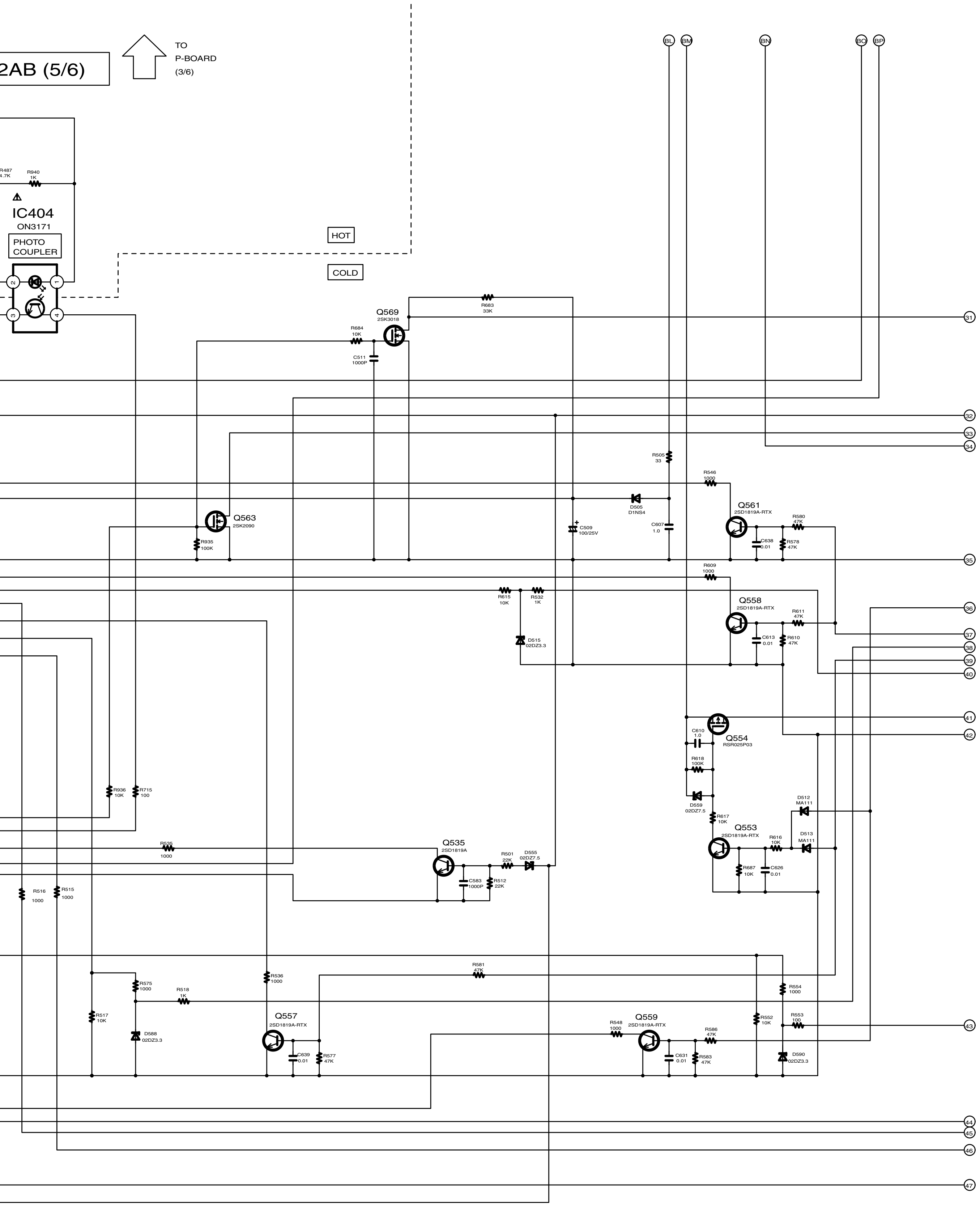

TO
P-BOARD
(2/6)
AD
AE
AF
AG
AH
AI
AJ
AK
AL
AM
AN
AO
AP
AQ
AR
ZH24
PR601
T 3.15A 250V
9
6
T601
45H-5034A
5
4
ZH25
C615
1700u/200V
ZH46
ZH47
C611
1700u/200V
ZH26
ZH112
ZH113
175.0
0
0
P2
TO
SC-BOARD
(SC2)
1 Vsus
2 NC
3 GND
ZH100
ZH101
175.0
0
0
P11
TO
SC-BOARD
(SS11)
1 Vsus
2 NC
3 GND
R620
10K
R589
12K
R590
12K
R621
12K
Q505
2SK2998
R622
150K
R648
150K
R636
150K
R626
150K
R656
47K
R627
8.2K
R628
3K
D575
MA188
R526
220K
R527
220K
R533
16K
R534
47K
D585
02DZ7.5
R658
1M
Q530
2SD1819A-RTX
R550
47K
C629
0.01
Q525
2SK3018
C641
1000P
D514
02DZ6.2
R595
2200
C619
0.1
R691
100K
Vsus
IC505
ON3171
PHOTO
COUPLER
IC506
HA17431
ERROR DET(Vsus)
IC507
ON3171
PHOTO
COUPLER
CF
CG
CH
CI
CJ
CK
TO
P-BOARD
(6/6)

TH-37PA60E, TH-37PD60B
P-Board (4 of 6) Schematic Diagram

14.8. P-Board (5 of 6) Schematic Diagram (37inch)


BA
BB
BC
BD
BE
BF
BG
BH
BI
BJ
BK
P-BOARD TNPA3912AB (5/6)
COLD
HOT
A
B
C
D
E
F
IC412
ON3171
PHOTO COUPLER
IC405
ON3171
PHOTO COUPLER
IC403
ON3171
PHOTO COUPLER
IC401
ON3171
PHOTO COUPLER
IC404
ON3171
PHOTO COUPLER
R955 47K
C659 0.01
R956 100K
Q568
2SJ463A
R939 1K
R487 4.7K
R940 1K
HOT
COLD
R630 4.7K
R678 0
R558 470K
C612 0.01
R508 1000
Q512
2SK3018
R557 100K
C533 0.01
R950 1M
R514 100K
R538 100K
R511 100K
R714 100
R686 1000
R525 47K
R509 100K
R519 100K
R510 100K
R602 3300
Q551
2SK3018
R689 1000
C510 0.1
R606 1200
C608 0.01
C506 0.01
IC501
M34509G4FP
POWER MCU
P30
P31
P00
P01
P02
P03
P10
P11
P12
P13
D0
D1
VDD
VSS
XIN
XOUT
CNVSS
Reset
P21
P20
D5
D4
D3
D2
C504 1.0
X501 4MHz
C519 1.0
R520 100K
R513 100K
R516 1000
R515 1000
Q501
2SD1820A
R506 1000
Q502
2SD1820A
C501 0.01
R502 100K
C502 0.01
R503 100K
R504 1000
C505 1000P
IC502
R3111N401C
RESET
R517 10K
1
2
3
4
5

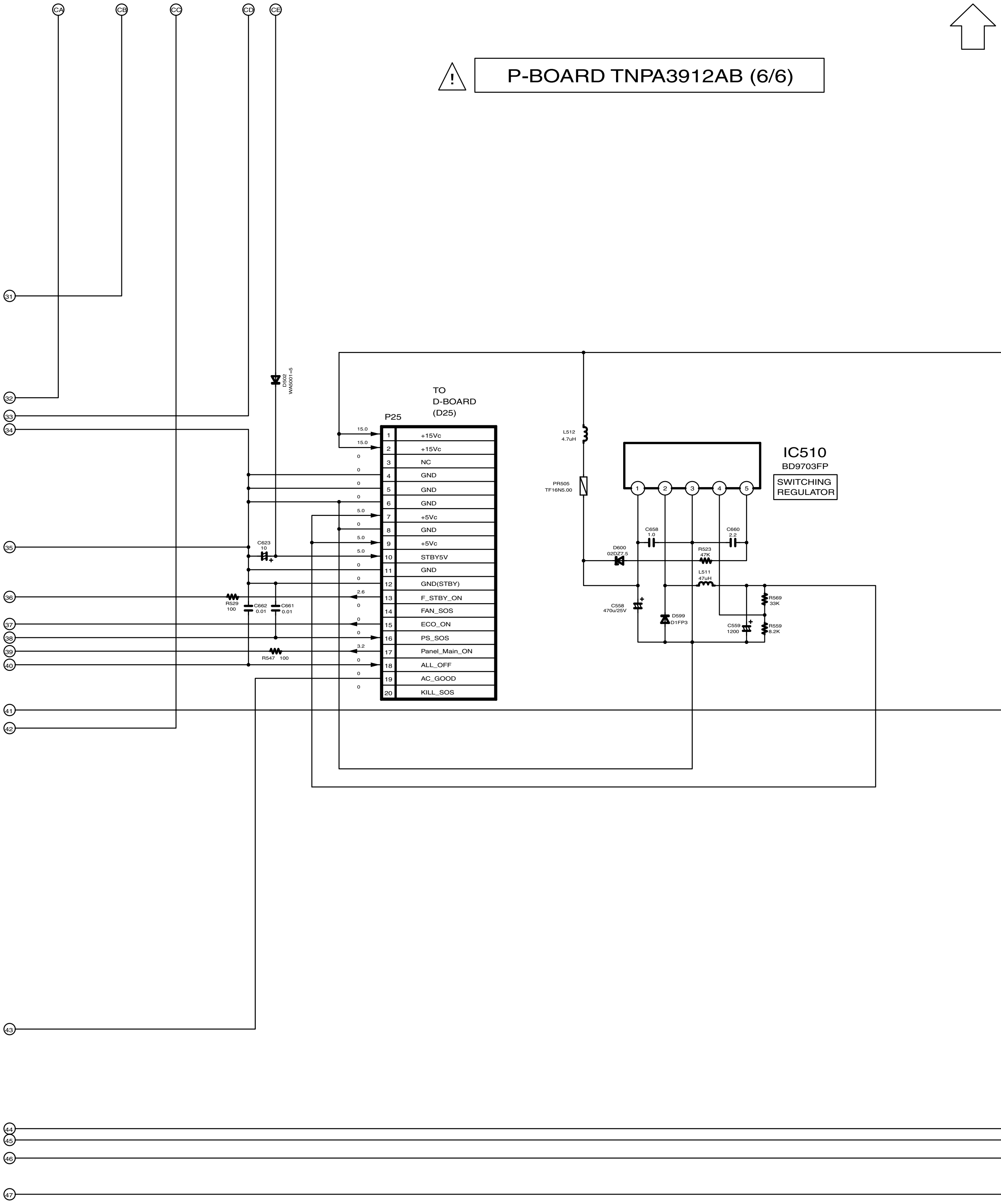
TH-37PA60E, TH-37PD60B
P-Board (5 of 6) Schematic Diagram

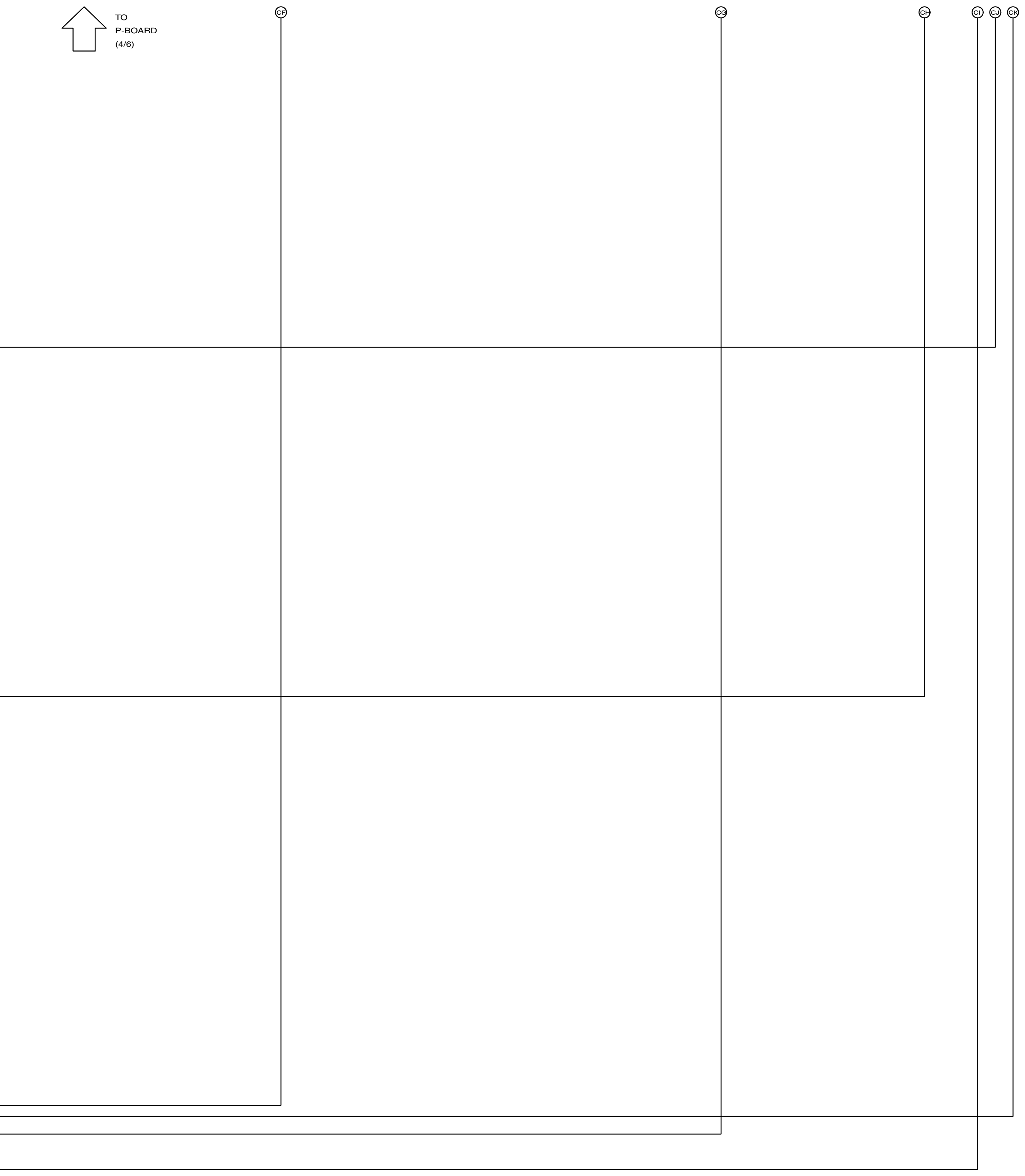

2AB (5/6)
TO
P-BOARD
(3/6)
BL
BM
BN
BO
BP
R487
4.7K
R940
1K
IC404
ON3171
PHOTO
COUPLER
HOT
COLD
Q569
2SK3018
R683
33K
R684
10K
C511
1000P
Q563
2SK2090
R935
100K
R505
33
R546
1000
D505
D1NS4
C607
1.0
C509
100/25V
Q561
2SD1819A-RTX
R580
47K
C638
0.01
R578
47K
R609
1000
R615
10K
R532
1K
D515
02DZ3.3
Q558
2SD1819A-RTX
R611
47K
C613
0.01
R610
47K
C610
1.0
Q554
RSR025P03
R618
100K
D559
02DZ7.5
R617
10K
D512
MA111
D513
MA111
Q553
2SD1819A-RTX
R616
10K
R687
10K
C626
0.01
R936
10K
R715
100
R535
1000
Q535
2SD1819A
R501
22K
D555
02DZ7.5
C583
1000P
R512
22K
R516
1000
R515
1000
R581
47K
R575
1000
R518
1K
R536
1000
R517
10K
D588
02DZ3.3
Q557
2SD1819A-RTX
C639
0.01
R577
47K
R548
1000
Q559
2SD1819A-RTX
R586
47K
C631
0.01
R583
47K
R552
10K
R554
1000
R553
100
D590
02DZ3.3
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47

TH-37PA60E, TH-37PD60B
P-Board (5 of 6) Schematic Diagram

5 6 7 8 9

14.9. P-Board (6 of 6) Schematic Diagram (37inch)

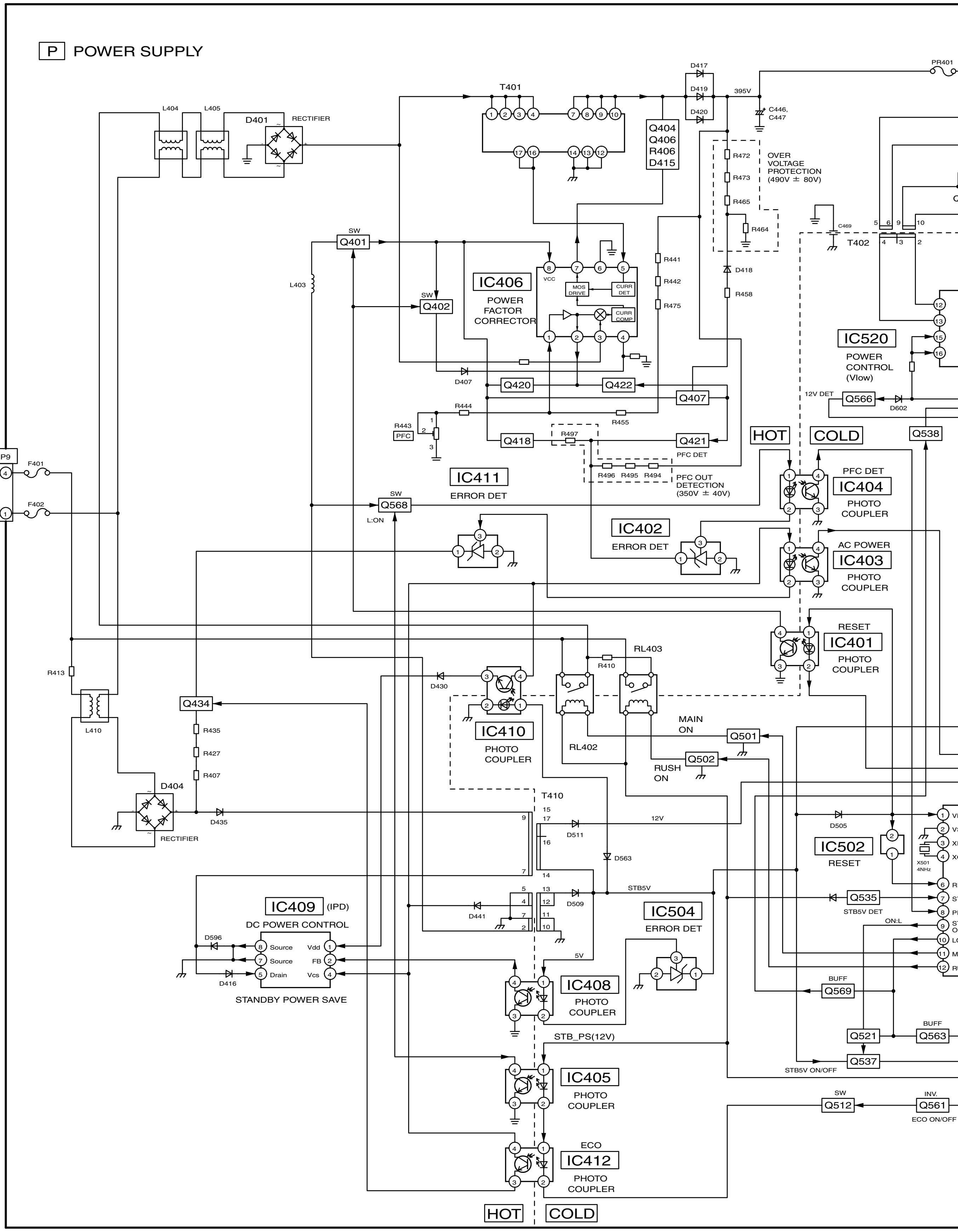

P-BOARD TNPA3912AB (6/6)
CA
CB
CC
CD
CE
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
D502
WA5001=5
TO
D-BOARD
(D25)
P25
15.0
15.0
0
0
0
0
5.0
0
5.0
5.0
0
0
2.6
0
0
0
3.2
0
0
0
1 +15Vc
2 +15Vc
3 NC
4 GND
5 GND
6 GND
7 +5Vc
8 GND
9 +5Vc
10 STBY5V
11 GND
12 GND(STBY)
13 F_STBY_ON
14 FAN_SOS
15 ECO_ON
16 PS_SOS
17 Panel_Main_ON
18 ALL_OFF
19 AC_GOOD
20 KILL_SOS
C623
10
R529
100
C662
0.01
C661
0.01
R547 100
L512
4.7uH
PR505
TF16N5.00
IC510
BD9703FP
SWITCHING
REGULATOR
1
2
3
4
5
C658
1.0
C660
2.2
D600
02DZ7.5
R523
47K
L511
47uH
C558
470u/25V
D599
D1FP3
C559
1200
R569
33K
R559
8.2K

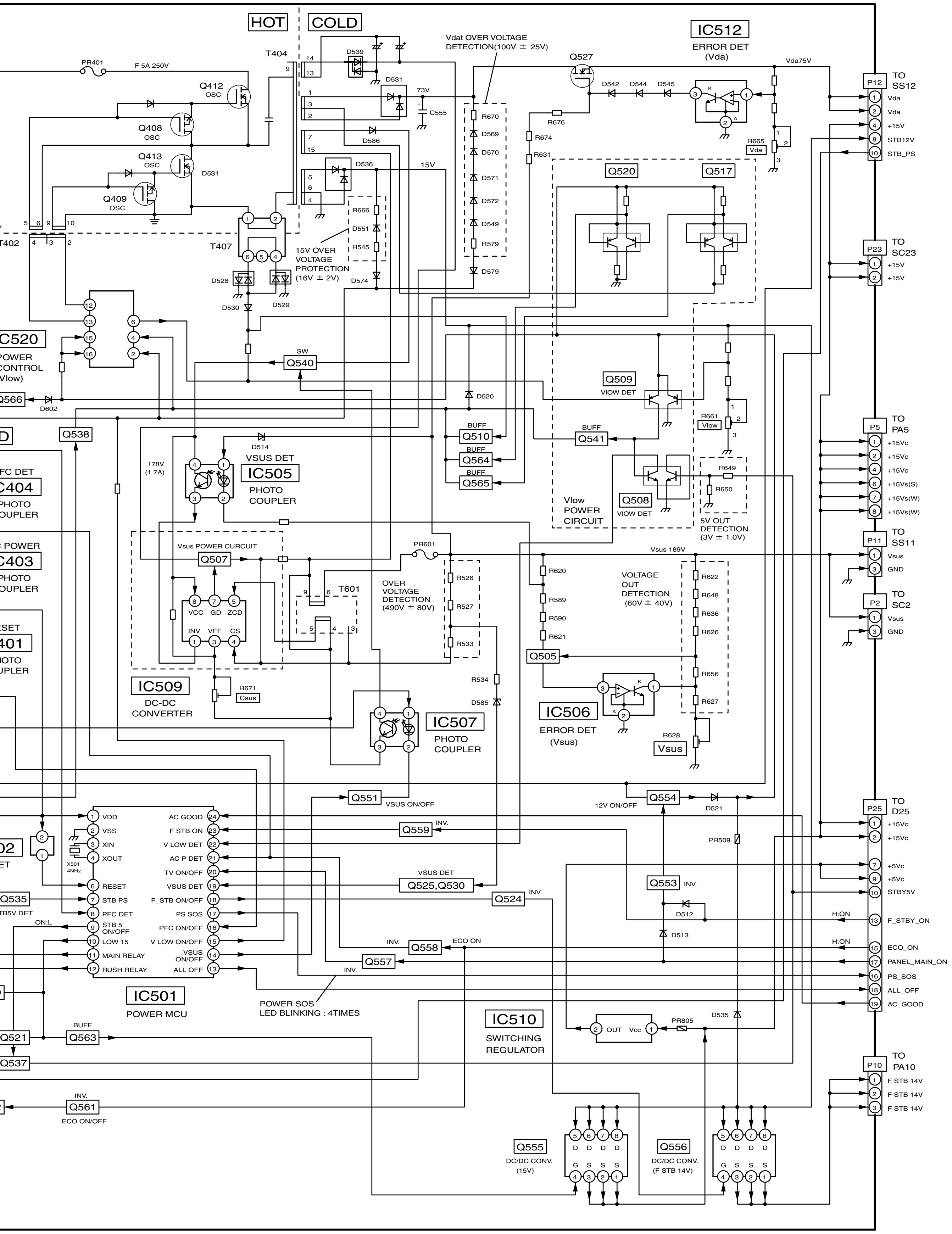

TO
P-BOARD
(4/6)
CF
CG
CH
CI
CJ
CK

TH-37PA60E, TH-37PD60B
P-Board (6 of 6) Schematic Diagram

14
15
16
17
18

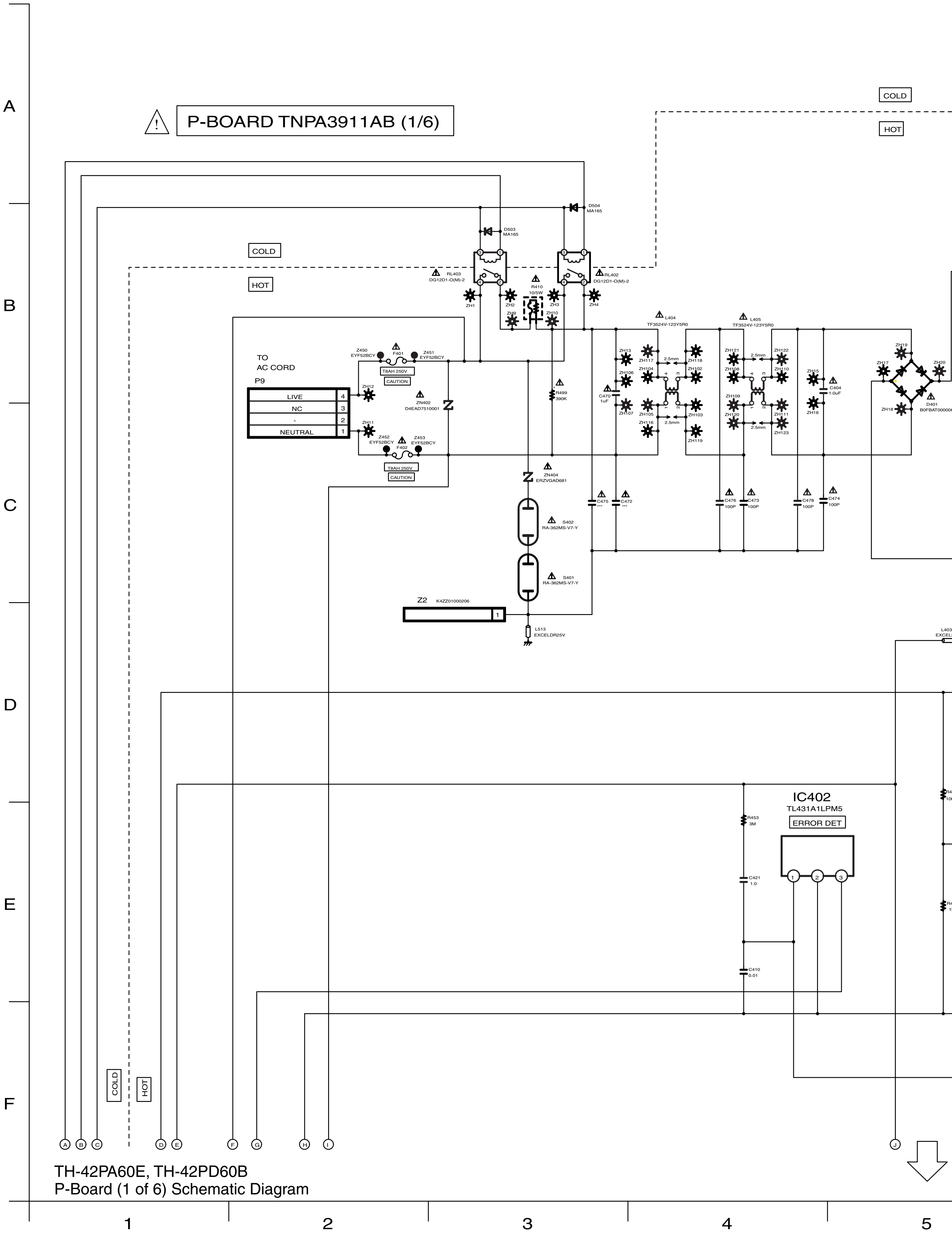
14.10. P-Board Block Diagram (42inch)


P POWER SUPPLY
T401
D417
D419
D420
395V
PR401
C446, C447
L404
L405
D401
RECTIFIER
Q404
Q406
R406
D415
R472
R473
R465
R464
OVER VOLTAGE PROTECTION (490V ± 80V)
C469
T402
SW
Q401
L403
IC406
POWER FACTOR CORRECTOR
VCC
MOS DRIVE
CURR DET
CURR COMP
SW
Q402
R441
R442
R475
D418
R458
IC520
POWER CONTROL (Vlow)
D407
Q420
Q422
Q407
12V DET
Q566
D602
R444
R443
PFC
R455
R497
Q418
Q421
PFC DET
HOT
COLD
Q538
TO AC CORD
P9
LIVE
NEUTRAL
F401
F402
IC411
ERROR DET
R496
R495
R494
PFC OUT DETECTION (350V ± 40V)
PFC DET
IC404
PHOTO COUPLER
SW
Q568
L:ON
IC402
ERROR DET
AC POWER
IC403
PHOTO COUPLER
RESET
IC401
PHOTO COUPLER
RL403
R410
R413
D430
Q434
L410
R435
R427
R407
D404
RECTIFIER
D435
IC410
PHOTO COUPLER
RL402
MAIN ON
Q501
RUSH ON
Q502
T410
12V
D511
D563
D505
IC502
RESET
X501 4NHz
STB5V
D509
Q535
STB5V DET
IC409 (IPD)
DC POWER CONTROL
D596
Source
Source
Drain
Vdd
FB
Vcs
D416
STANDBY POWER SAVE
D441
IC504
ERROR DET
ON:L
5V
IC408
PHOTO COUPLER
BUFF
Q569
BUFF
Q521
Q563
STB_PS(12V)
Q537
STB5V ON/OFF
IC405
PHOTO COUPLER
SW
Q512
INV.
Q561
ECO ON/OFF
ECO
IC412
PHOTO COUPLER
HOT
COLD

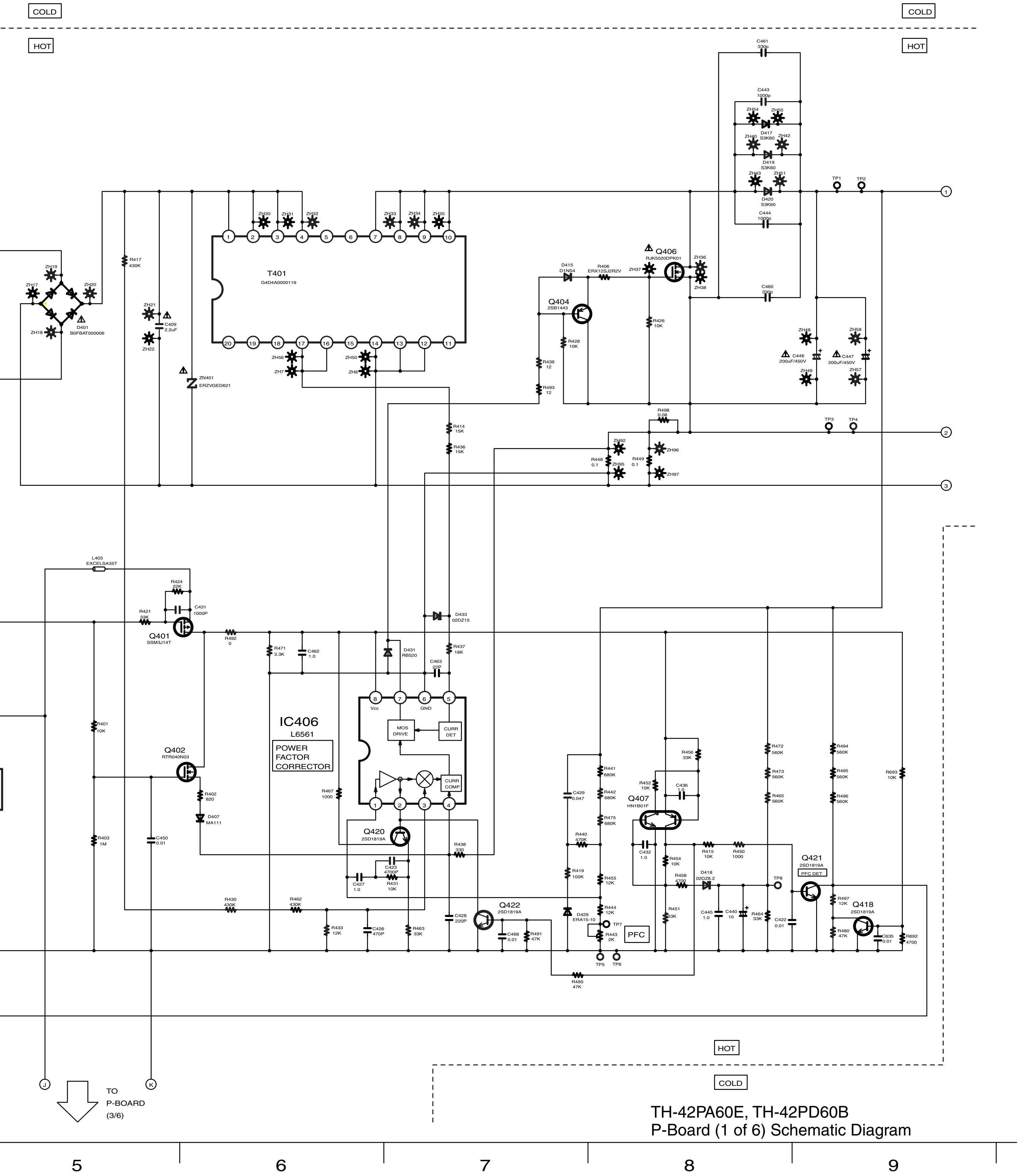

HOT
COLD
T404
PR401
F 5A 250V
Q412
OSC
Q408
OSC
Q413
OSC
Q409
OSC
D531
T402
T407
D528
D529
D530
D539
D531
73V
C555
D586
D536
15V
R666
D551
R545
D574
15V OVER VOLTAGE PROTECTION (16V ± 2V)
Vdat OVER VOLTAGE DETECTION(100V ± 25V)
R670
D569
D570
D571
D572
D549
R579
D579
Q527
R676
R674
R631
D542
D544
D545
IC512
ERROR DET (Vda)
Vda75V
R665
Vda
Q520
Q517
C520
POWER CONTROL (Vlow)
Q566
D602
SW
Q540
D520
BUFF
Q510
Q564
Q565
Q509
VlOW DET
BUFF
Q541
R661
Vlow
Q508
VlOW DET
Vlow POWER CIRCUIT
R649
R650
5V OUT DETECTION (3V ± 1.0V)
Q538
D514
VSUS DET
IC505
PHOTO COUPLER
178V (1.7A)
FC DET
C404
PHOTO COUPLER
C POWER
C403
PHOTO COUPLER
ESET
401
HOTO UPLER
Vsus POWER CURCUIT
Q507
VCC GD ZCD
INV VFF CS
IC509
DC-DC CONVERTER
R671
Csus
PR601
T601
OVER VOLTAGE DETECTION (490V ± 80V)
R526
R527
R533
R534
D585
IC507
PHOTO COUPLER
Vsus 189V
R620
R589
R590
R621
Q505
VOLTAGE OUT DETECTION (60V ± 40V)
R622
R648
R636
R626
R656
R627
IC506
ERROR DET (Vsus)
R628
Vsus
Q551
VSUS ON/OFF
Q554
12V ON/OFF
D521
PR509
Q559
INV.
Q525,Q530
VSUS DET
Q524
INV.
Q553
INV.
D512
D513
H:ON
Q558
INV.
ECO ON
Q557
INV.
POWER SOS LED BLINKING : 4TIMES
IC510
SWITCHING REGULATOR
OUT Vcc
PR805
D535
1 VDD
2 VSS
3 XIN
4 XOUT
X501 4NHz
6 RESET
7 STB PS
8 PFC DET
9 STB 5 ON/OFF
10 LOW 15
11 MAIN RELAY
12 RUSH RELAY
24 AC GOOD
23 F STB ON
22 V LOW DET
21 AC P DET
20 TV ON/OFF
19 VSUS DET
18 F_STB ON/OFF
17 PS SOS
16 PFC ON/OFF
15 V LOW ON/OFF
14 VSUS ON/OFF
13 ALL OFF
IC501
POWER MCU
02
ET
Q535
TB5V DET
ON:L
Q521
BUFF
Q563
Q537
INV.
Q561
ECO ON/OFF
Q555
DC/DC CONV. (15V)
Q556
DC/DC CONV. (F STB 14V)
D D D D
G S S S
P12 TO SS12
1 Vda
2 Vda
4 +15V
8 STB12V
10 STB_PS
P23 TO SC23
1 +15V
2 +15V
P5 TO PA5
1 +15Vc
2 +15Vc
4 +15Vc
6 +15Vs(S)
7 +15Vs(W)
8 +15Vs(W)
P11 TO SS11
1 Vsus
3 GND
P2 TO SC2
1 Vsus
3 GND
P25 TO D25
1 +15Vc
2 +15Vc
7 +5Vc
9 +5Vc
10 STBY5V
13 F_STBY_ON
15 ECO_ON
17 PANEL_MAIN_ON
16 PS_SOS
18 ALL_OFF
19 AC_GOOD
P10 TO PA10
1 F STB 14V
2 F STB 14V
3 F STB 14V

TH-42PA60E, TH-42PD60B
P-Board Block Diagram

14.11. P-Board (1 of 6) Schematic Diagram (42inch)

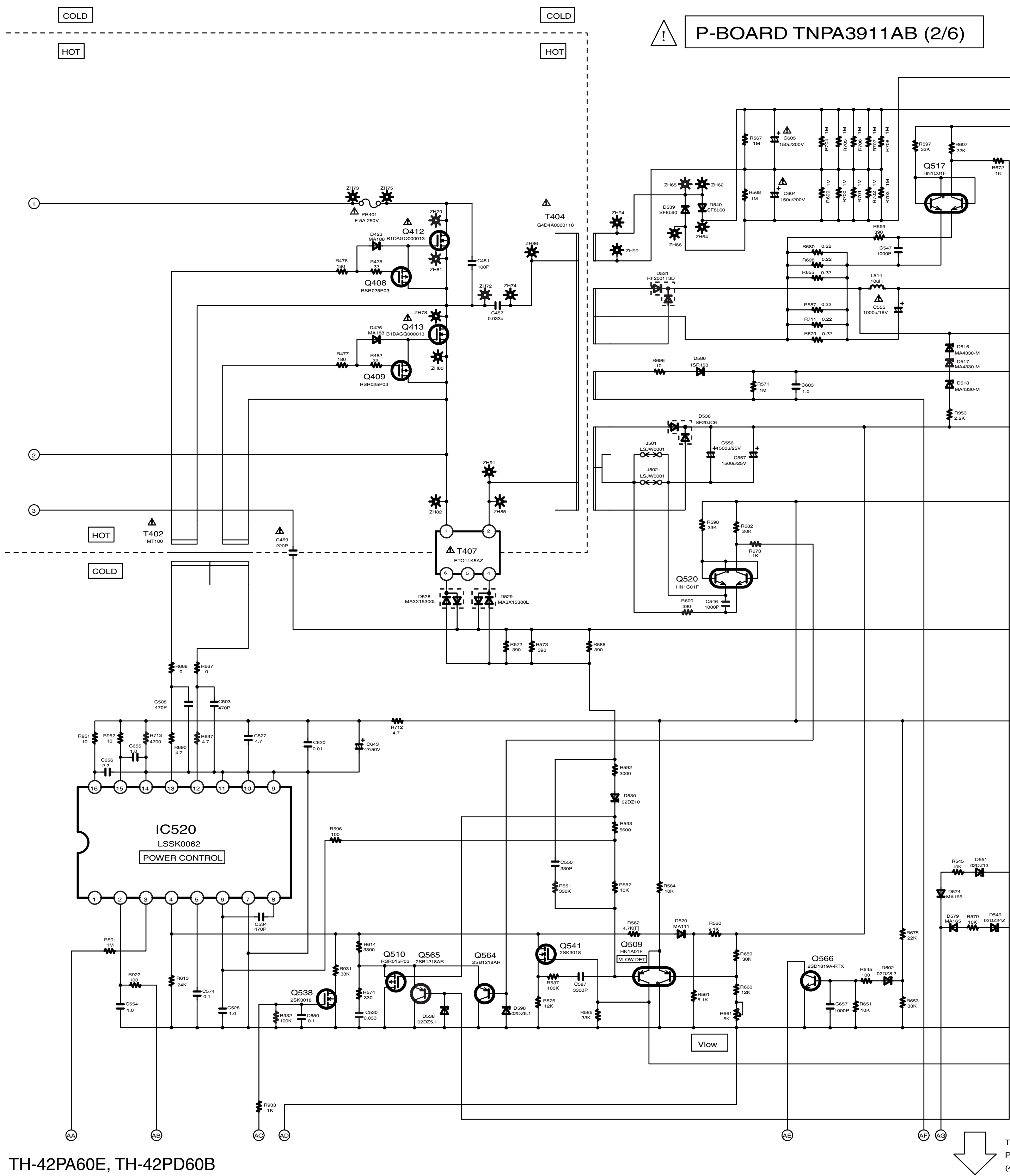

A
B
C
D
E
F
1
2
3
4
5
P-BOARD TNPA3911AB (1/6)
COLD
HOT
COLD
HOT
COLD
HOT
D504
MA165
D503
MA165
RL403
DG12D1-O(M)-2
RL402
DG12D1-O(M)-2
R410
10/5W
ZH1
ZH2
ZH3
ZH4
ZH9
ZH10
TO
AC CORD
P9
LIVE 4
NC 3
- 2
NEUTRAL 1
Z450
EYF52BCY
F401
Z451
EYF52BCY
T8AH 250V
CAUTION
ZH12
ZH11
ZN402
D4EAD7510001
Z452
EYF52BCY
F402
Z453
EYF52BCY
T8AH 250V
CAUTION
R499
390K
ZN404
ERZVGAD681
S402
RA-362MS-V7-Y
S401
RA-362MS-V7-Y
Z2
K4ZZ01000206
L513
EXCELDR25V
L404
TF3524V-123Y5R0
L405
TF3524V-123Y5R0
ZH13
ZH106
ZH107
ZH117
ZH104
ZH105
ZH116
ZH118
ZH102
ZH103
ZH119
2.5mm
C470
1uF
ZH121
ZH108
ZH109
ZH120
ZH122
ZH110
ZH111
ZH123
ZH15
ZH16
C404
1.0uF
ZH17
ZH18
ZH19
ZH20
D401
C475
***
C472
***
C476
100P
C473
100P
C478
100P
C474
100P
L403
IC402
TL431A1LPM5
ERROR DET
R453
3M
C421
1.0
C410
0.01
A
B
C
D
E
F
G
H
I
J

TH-42PA60E, TH-42PD60B
P-Board (1 of 6) Schematic Diagram


COLD
HOT
COLD
HOT
C461
330p
C443
1000p
ZH54
ZH55
D417
S3K60
ZH40
ZH42
D419
S3K60
ZH43
ZH51
D420
S3K60
C444
1000p
TP1
TP2
1
T401
G4D4A0000119
ZH30
ZH31
ZH32
ZH33
ZH34
ZH35
1
2
3
4
5
6
7
8
9
10
20
19
18
17
16
15
14
13
12
11
ZH56
ZH7
ZH50
ZH8
R417
430K
ZH19
ZH17
ZH20
ZH18
D401
B0FBAT000006
ZH21
C409
2.2uF
ZH22
ZN401
ERZVGED621
D415
D1NS4
R406
ERX12SJ2R2V
Q406
RJK5020DPK01
ZH37
ZH36
ZH38
C460
330p
Q404
2SB1443
R428
10K
R426
10K
R439
12
R493
12
ZH48
C446
200uF/450V
ZH49
ZH58
C447
200uF/450V
ZH57
R498
0.08
TP3
TP4
2
ZH92
R448
0.1
ZH95
R449
0.1
ZH96
ZH97
3
R414
15K
R436
15K
L403
EXCELSA35T
R424
22K
C431
1000P
R421
33K
Q401
SSM3J14T
R492
0
R471
3.3K
C462
1.0
D433
02DZ15
D431
RB520
R437
18K
C463
22P
8
7
6
5
Vcc
GND
MOS DRIVE
CURR DET
CURR COMP
1
2
3
4
IC406
L6561
POWER FACTOR CORRECTOR
R401
10K
Q402
RTR040N03
R402
820
D407
MA111
R403
1M
C450
0.01
R467
1000
Q420
2SD1819A
R438
330
C427
1.0
C423
4700P
R431
10K
R430
430K
R462
430K
R433
12K
C426
470P
R463
33K
C428
220P
Q422
2SD1819A
C468
0.01
R491
47K
R441
680K
R442
680K
R475
680K
C429
0.047
R440
470K
R419
100K
R455
12K
R444
12K
D429
ERA15-10
TP7
R443
2K
PFC
TP5
TP6
R490
47K
R456
33K
R452
10K
C436
1.0
Q407
HN1B01F
C432
1.0
R454
10K
R415
10K
R450
1000
R458
4700
D418
02DZ8.2
TP8
R451
33K
C445
1.0
C440
10
R464
33K
C422
0.01
R472
560K
R473
560K
R465
560K
R494
560K
R495
560K
R496
560K
R693
10K
Q421
2SD1819A
PFC DET
R497
12K
Q418
2SD1819A
R480
47K
C635
0.01
R692
4700
HOT
COLD
J
K
TO
P-BOARD
(3/6)
5
6
7
8
9

TH-42PA60E, TH-42PD60B
P-Board (1 of 6) Schematic Diagram

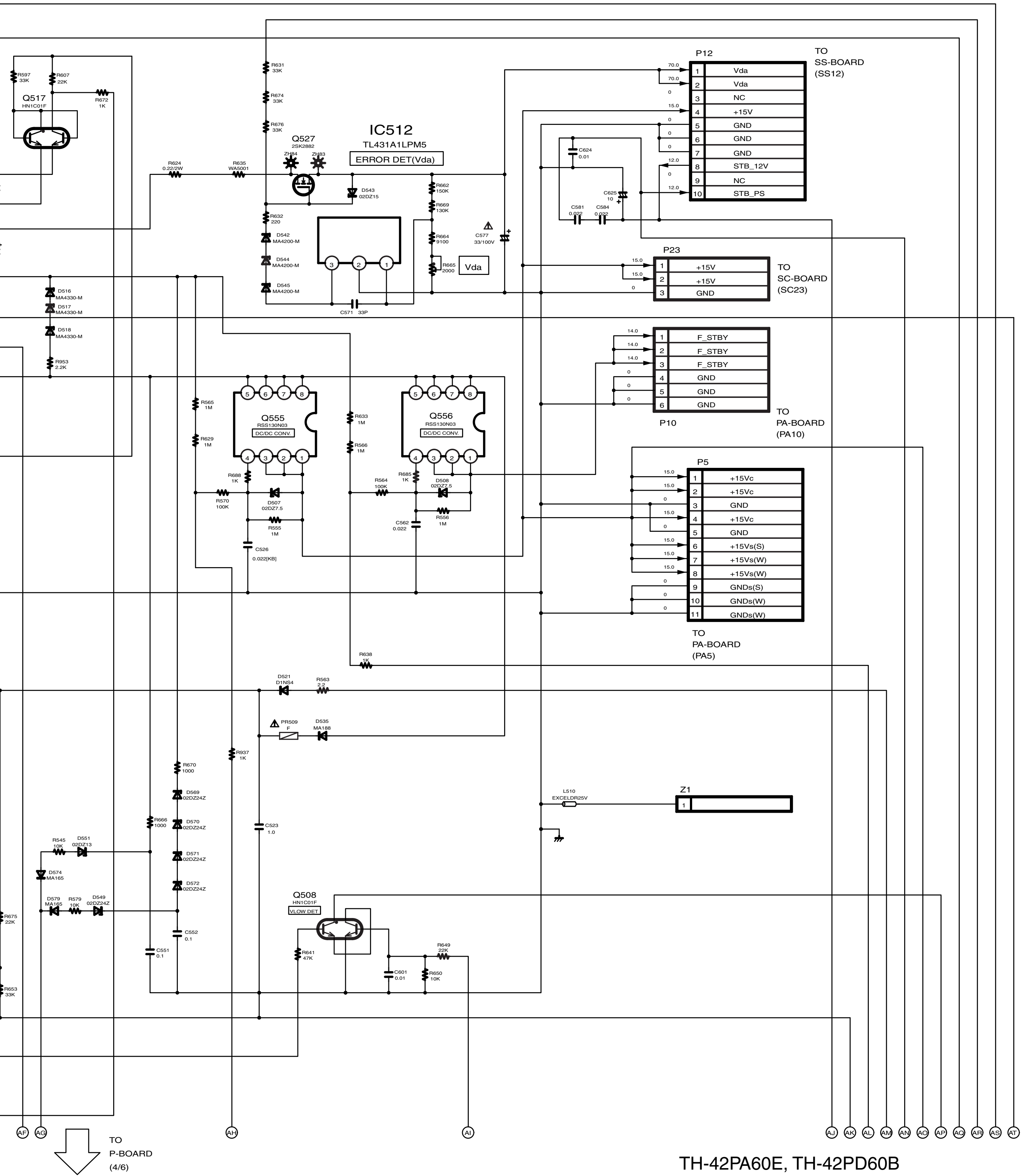
14.12. P-Board (2 of 6) Schematic Diagram (42inch)


COLD
HOT
P-BOARD TNPA3911AB (2/6)
T402
MT180
C469
220P
T404
G4D4A0000118
T407
ETQ11K5AZ
PR401
F 5A 250V
Q412
B1DAGQ000013
Q413
B1DAGQ000013
Q408
RSR025P03
Q409
RSR025P03
D423
MA188
D425
MA188
R476
180
R477
180
R478
22
R482
22
C451
100P
C457
0.033u
D528
MA3X15300L
D529
MA3X15300L
R572
390
R573
390
R588
390
R668
0
R667
0
C508
470P
C503
470P
R951
10
R952
10
R713
4700
C655
1.0
C656
2.2
R690
4.7
R697
4.7
C527
4.7
C620
0.01
C643
47/50V
R712
4.7
IC520
LSSK0062
POWER CONTROL
R596
100
C534
470P
R591
1M
R922
100
C554
1.0
R613
24K
C574
0.1
C528
1.0
R932
100K
C650
0.1
R933
1K
Q538
2SK3018
R931
33K
R614
3300
R574
330
C530
0.033
Q510
RSR015P03
Q565
2SB1218AR
Q564
2SB1218AR
D538
02DZ5.1
D598
02DZ5.1
Q541
2SK3018
R537
100K
C587
3300P
R576
12K
R585
33K
R592
3000
D530
02DZ10
R593
5600
C550
330P
R551
330K
R582
10K
R584
10K
R562
4.7K[F]
D520
MA111
R560
9.1K
Q509
HN1A01F
VLOW DET
R561
5.1K
R659
30K
R660
12K
R661
5K
Vlow
Q566
2SD1819A-RTX
R645
100
D602
02DZ8.2
C657
1000P
R651
10K
R653
33K
R675
22K
R545
10K
D551
02DZ13
D574
MA165
D579
MA165
R579
10K
D549
02DZ24Z
R567
1M
C605
150u/200V
R568
1M
C604
150u/200V
R704 1M
R705 1M
R706 1M
R707 1M
R708 1M
R699 1M
R700 1M
R701 1M
R702 1M
R703 1M
R597
33K
R607
22K
R672
1K
Q517
HN1C01F
R599
390
C547
1000P
R680 0.22
R698 0.22
R655 0.22
R587 0.22
R711 0.22
R679 0.22
L514
10uH
C555
1000u/16V
D539
SF8L60
D540
SF8L60
D531
RF2001T3D
D516
MA4330-M
D517
MA4330-M
D518
MA4330-M
R953
2.2K
R696
10
D586
1SR153
R571
1M
C603
1.0
D536
SF20JC6
J501
LSJW0001
J502
LSJW0001
C556
1500u/25V
C557
1500u/25V
R598
33K
R682
20K
R673
1K
Q520
HN1C01F
R600
390
C546
1000P
AA
AB
AC
AD
AE
AF
AG

TH-42PA60E, TH-42PD60B
P-Board (2 of 6) Schematic Diagram

10 11 12 13 14

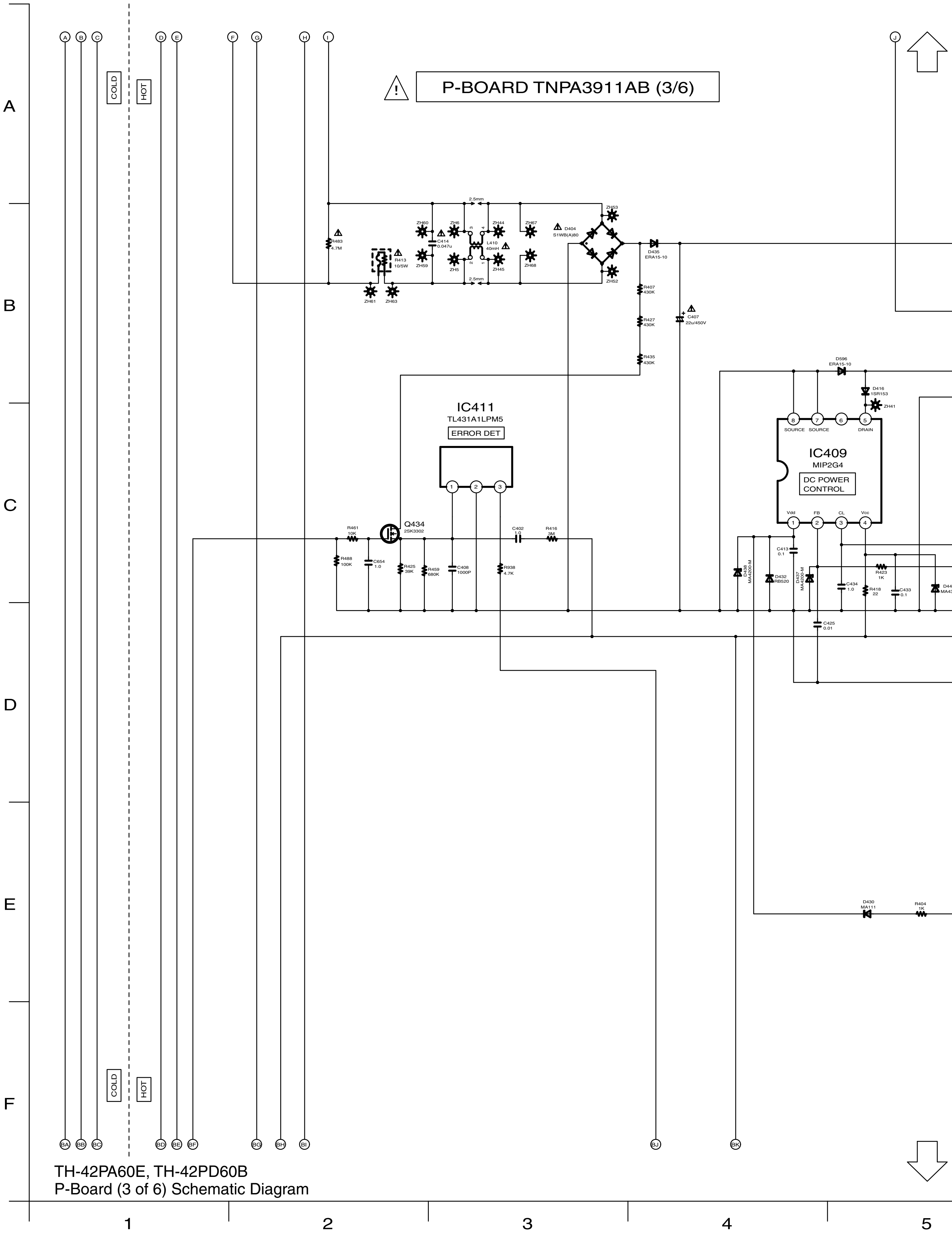
B (2/6)


R597 33K
R607 22K
Q517 HN1C01F
R672 1K
R624 0.22/2W
R635 WA5001
R631 33K
R674 33K
R676 33K
Q527 2SK2882
ZH84
ZH83
IC512
TL431A1LPM5
ERROR DET(Vda)
D543 02DZ15
R662 150K
R669 130K
R664 9100
R665 2000
Vda
C577 33/100V
R632 220
D542 MA4200-M
D544 MA4200-M
D545 MA4200-M
C571 33P
D516 MA4330-M
D517 MA4330-M
D518 MA4330-M
R953 2.2K
C624 0.01
C625 10
C581 0.022
C584 0.022
P12
TO SS-BOARD (SS12)
1 Vda
2 Vda
3 NC
4 +15V
5 GND
6 GND
7 GND
8 STB_12V
9 NC
10 STB_PS
P23
TO SC-BOARD (SC23)
1 +15V
2 +15V
3 GND
P10
TO PA-BOARD (PA10)
1 F_STBY
2 F_STBY
3 F_STBY
4 GND
5 GND
6 GND
P5
TO PA-BOARD (PA5)
1 +15Vc
2 +15Vc
3 GND
4 +15Vc
5 GND
6 +15Vs(S)
7 +15Vs(W)
8 +15Vs(W)
9 GNDs(S)
10 GNDs(W)
11 GNDs(W)
Q555 RSS130N03 DC/DC CONV.
Q556 RSS130N03 DC/DC CONV.
R565 1M
R629 1M
R688 1K
R570 100K
D507 02DZ7.5
R555 1M
C526 0.022[KB]
R633 1M
R566 1M
R564 100K
R685 1K
D508 02DZ7.5
R556 1M
C562 0.022
R638 1K
D521 D1NS4
R563 2.2
PR509 F
D535 MA188
R937 1K
C523 1.0
R670 1000
D569 02DZ24Z
D570 02DZ24Z
D571 02DZ24Z
D572 02DZ24Z
R666 1000
C552 0.1
C551 0.1
R545 10K
D551 02DZ13
D574 MA165
D579 MA165
R579 10K
D549 02DZ24Z
R675 22K
R653 33K
L510 EXCELDR25V
Z1
Q508 HN1C01F VLOW DET
R641 47K
C601 0.01
R649 22K
R650 10K
AF AG AH AI AJ AK AL AM AN AO AP AQ AR AS AT
TO P-BOARD (4/6)

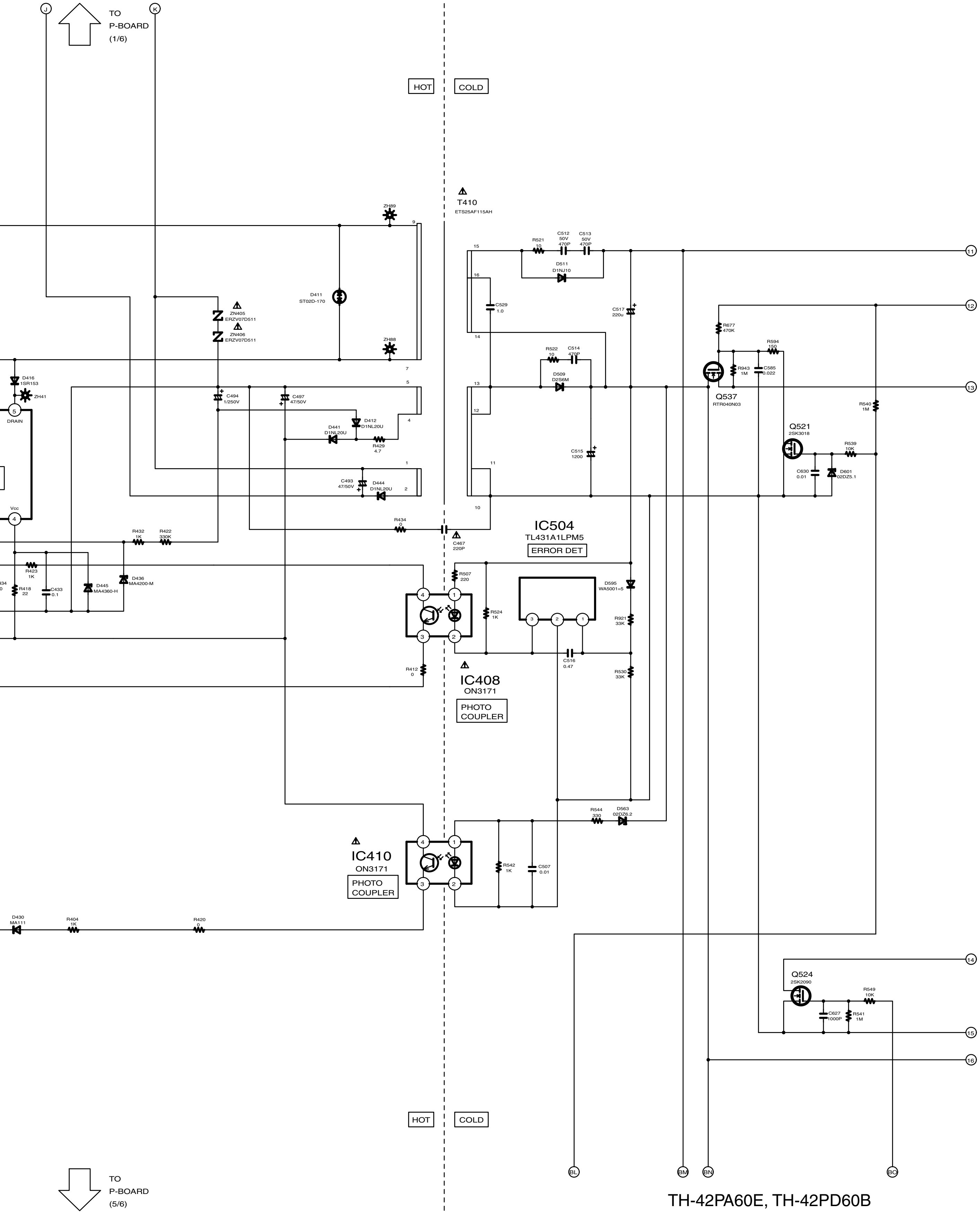
TH-42PA60E, TH-42PD60B
P-Board (2 of 6) Schematic Diagram

14 15 16 17 18

14.13. P-Board (3 of 6) Schematic Diagram (42inch)


A
B
C
D
E
F
1
2
3
4
5
COLD
HOT
P-BOARD TNPA3911AB (3/6)
R483
4.7M
R413
10/5W
ZH61
ZH63
ZH60
ZH59
C414
0.047u
ZH6
ZH5
2.5mm
L410
40mH
ZH44
ZH45
ZH67
ZH68
D404
S1WB(A)80
ZH53
ZH52
D435
ERA15-10
R407
430K
R427
430K
R435
430K
C407
22u/450V
IC411
TL431A1LPM5
ERROR DET
Q434
2SK3302
R461
10K
R488
100K
C654
1.0
R425
39K
R459
680K
C408
1000P
R938
4.7K
C402
1.0
R416
3M
D596
ERA15-10
D416
1SR153
ZH41
SOURCE
SOURCE
DRAIN
IC409
MIP2G4
DC POWER
CONTROL
Vdd
FB
CL
Vcc
C413
0.1
D438
MA4200-M
D432
RB520
D437
MA4200-M
C434
1.0
R423
1K
R418
22
C433
0.1
C425
0.01
D430
MA111
R404
1K
A B C D E F G H I J
BA BB BC BD BE BF BG BH BI BJ BK

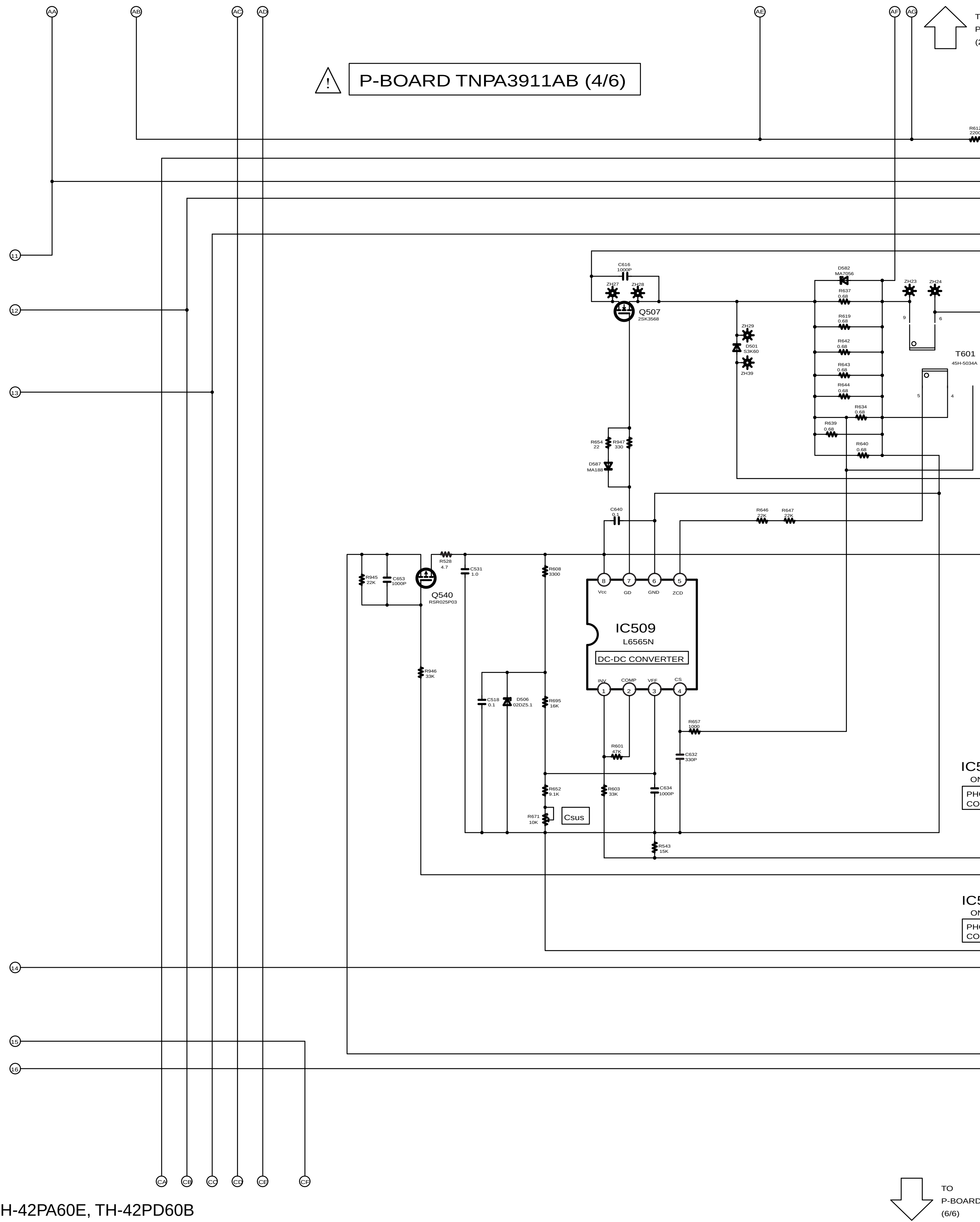
TH-42PA60E, TH-42PD60B
P-Board (3 of 6) Schematic Diagram


J
K
TO
P-BOARD
(1/6)
HOT
COLD
ZH89
T410
ETS25AF115AH
9
D411
ST02D-170
ZN405
ERZV07D511
ZN406
ERZV07D511
ZH88
7
5
D416
1SR153
ZH41
5
DRAIN
C494
1/250V
C497
47/50V
D412
D1NL20U
D441
D1NL20U
4
R429
4.7
1
C493
47/50V
D444
D1NL20U
2
Vcc
4
R432
1K
R422
330K
R434
0
C467
220P
R423
1K
R418
22
C433
0.1
D445
MA4360-H
D436
MA4200-M
R412
0
15
R521
10
C512
50V
470P
C513
50V
470P
D511
D1NJ10
16
C529
1.0
C517
220u
14
R522
10
C514
470P
D509
D2S6M
13
12
C515
1200
11
10
R677
470K
R594
150
R943
1M
C585
0.022
Q537
RTR040N03
R540
1M
Q521
2SK3018
R539
10K
C630
0.01
D601
02DZ5.1
IC504
TL431A1LPM5
ERROR DET
R507
220
R524
1K
D595
WA5001=5
R921
33K
C516
0.47
R530
33K
IC408
ON3171
PHOTO
COUPLER
R544
330
D563
02DZ6.2
IC410
ON3171
PHOTO
COUPLER
R542
1K
C507
0.01
D430
MA111
R404
1K
R420
0
11
12
13
14
15
16
Q524
2SK2090
R549
10K
C627
1000P
R541
1M
HOT
COLD
BL
BM
BN
BO
TO
P-BOARD
(5/6)

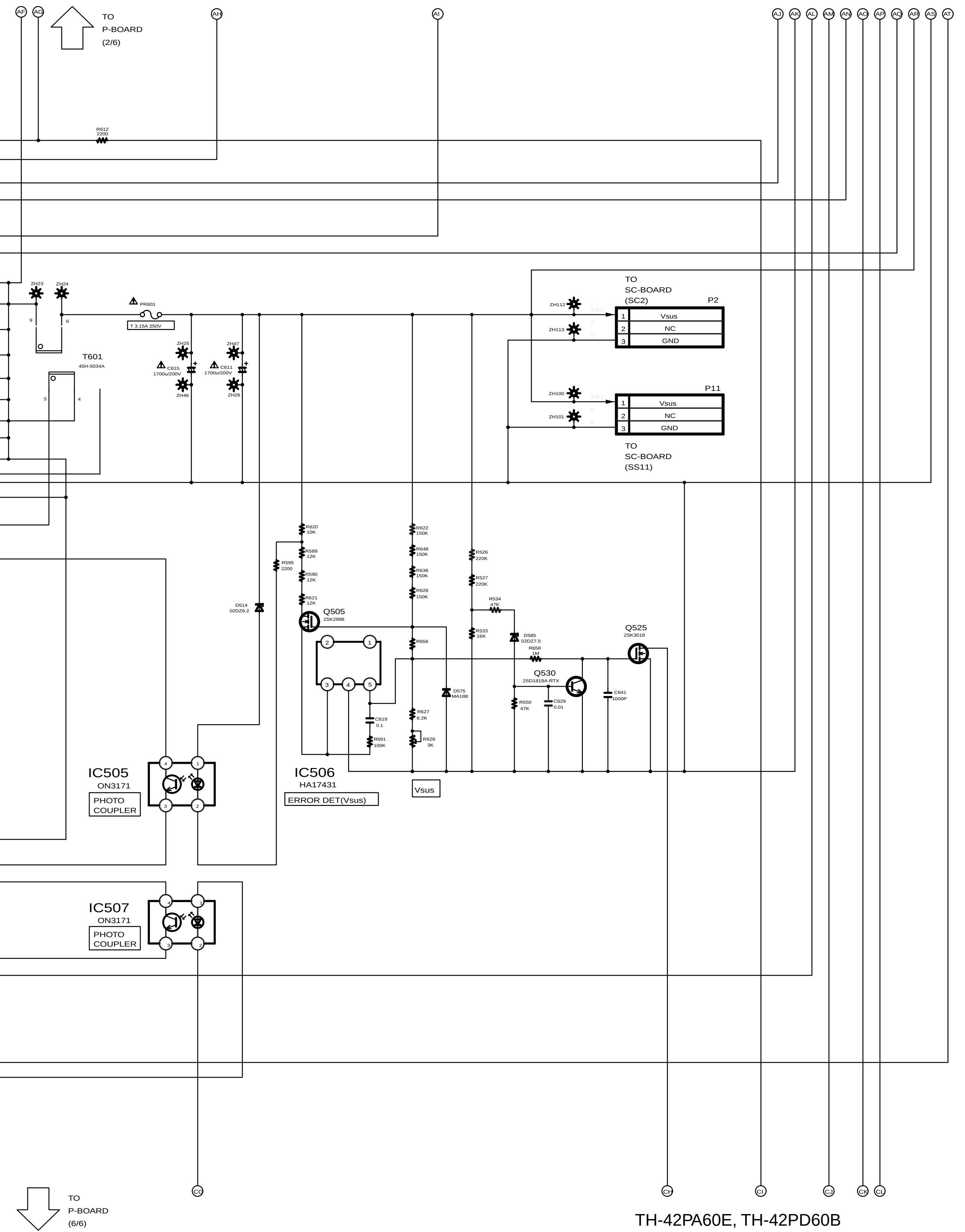
TH-42PA60E, TH-42PD60B
P-Board (3 of 6) Schematic Diagram

5 6 7 8 9

14.14. P-Board (4 of 6) Schematic Diagram (42inch)

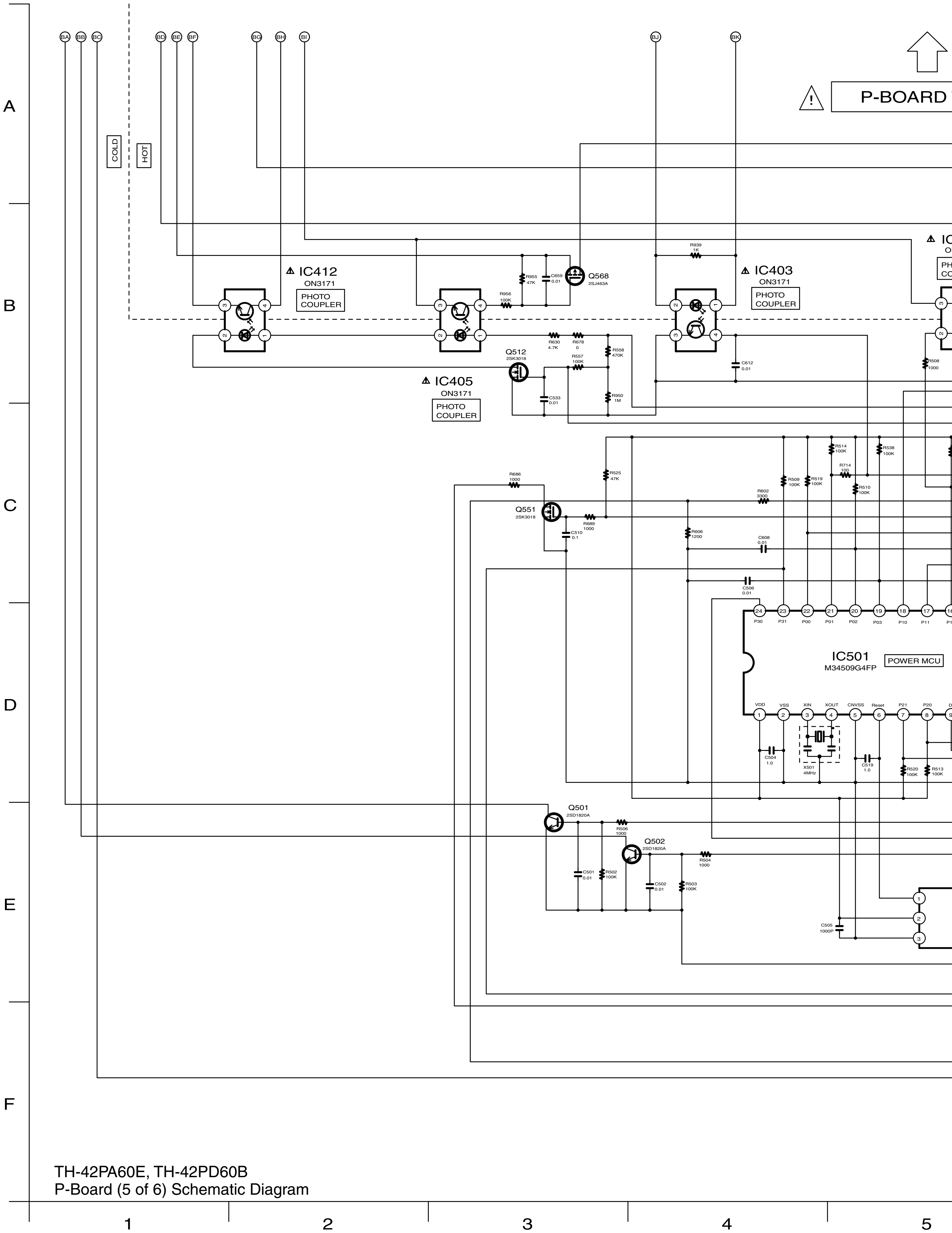

AA
AB
AC
AD
AE
AF
AG
T
P
(2
P-BOARD TNPA3911AB (4/6)
R612
2200
11
12
13
14
15
16
C616
1000P
ZH27
ZH28
Q507
2SK3568
ZH29
D501
S3K60
ZH39
D582
MA7056
R637
0.68
R619
0.68
R642
0.68
R643
0.68
R644
0.68
R634
0.68
R639
0.68
R640
0.68
ZH23
ZH24
9
6
5
4
T601
45H-5034A
R654
22
R947
330
D587
MA188
C640
0.1
R646
22K
R647
22K
R945
22K
C653
1000P
Q540
RSR025P03
R528
4.7
C531
1.0
R608
3300
8
7
6
5
Vcc
GD
GND
ZCD
IC509
L6565N
DC-DC CONVERTER
INV
COMP
VFF
CS
1
2
3
4
R946
33K
C518
0.1
D506
02DZ5.1
R695
16K
R657
1000
R601
47K
C632
330P
R652
9.1K
R603
33K
C634
1000P
R671
10K
Csus
R543
15K
IC5
ON
PHO
CO
IC5
ON
PHO
CO
CA
CB
CC
CD
CE
CF
TO
P-BOARD
(6/6)
10
11
12
13
14

TH-42PA60E, TH-42PD60B
P-Board (4 of 6) Schematic Diagram


AF
AG
TO
P-BOARD
(2/6)
AH
AI
AJ
AK
AL
AM
AN
AO
AP
AQ
AR
AS
AT
R612
2200
ZH23
ZH24
9
6
PR601
T 3.15A 250V
T601
45H-5034A
5
4
ZH25
ZH47
C615
1700u/200V
C611
1700u/200V
ZH46
ZH26
TO
SC-BOARD
(SC2)
P2
ZH112
175.0
ZH113
0
0
1
Vsus
2
NC
3
GND
P11
ZH100
175.0
ZH101
0
0
1
Vsus
2
NC
3
GND
TO
SC-BOARD
(SS11)
R620
10K
R589
12K
R590
12K
R621
12K
R595
2200
D514
02DZ6.2
Q505
2SK2998
R622
150K
R648
150K
R636
150K
R626
150K
R656
R526
220K
R527
220K
R534
47K
R533
16K
D585
02DZ7.5
R658
1M
Q525
2SK3018
Q530
2SD1819A-RTX
D575
MA188
C619
0.1
R691
100K
R627
8.2K
R628
3K
R550
47K
C629
0.01
C641
1000P
IC505
ON3171
PHOTO
COUPLER
IC506
HA17431
ERROR DET(Vsus)
Vsus
IC507
ON3171
PHOTO
COUPLER
CG
CH
CI
CJ
CK
CL
TO
P-BOARD
(6/6)

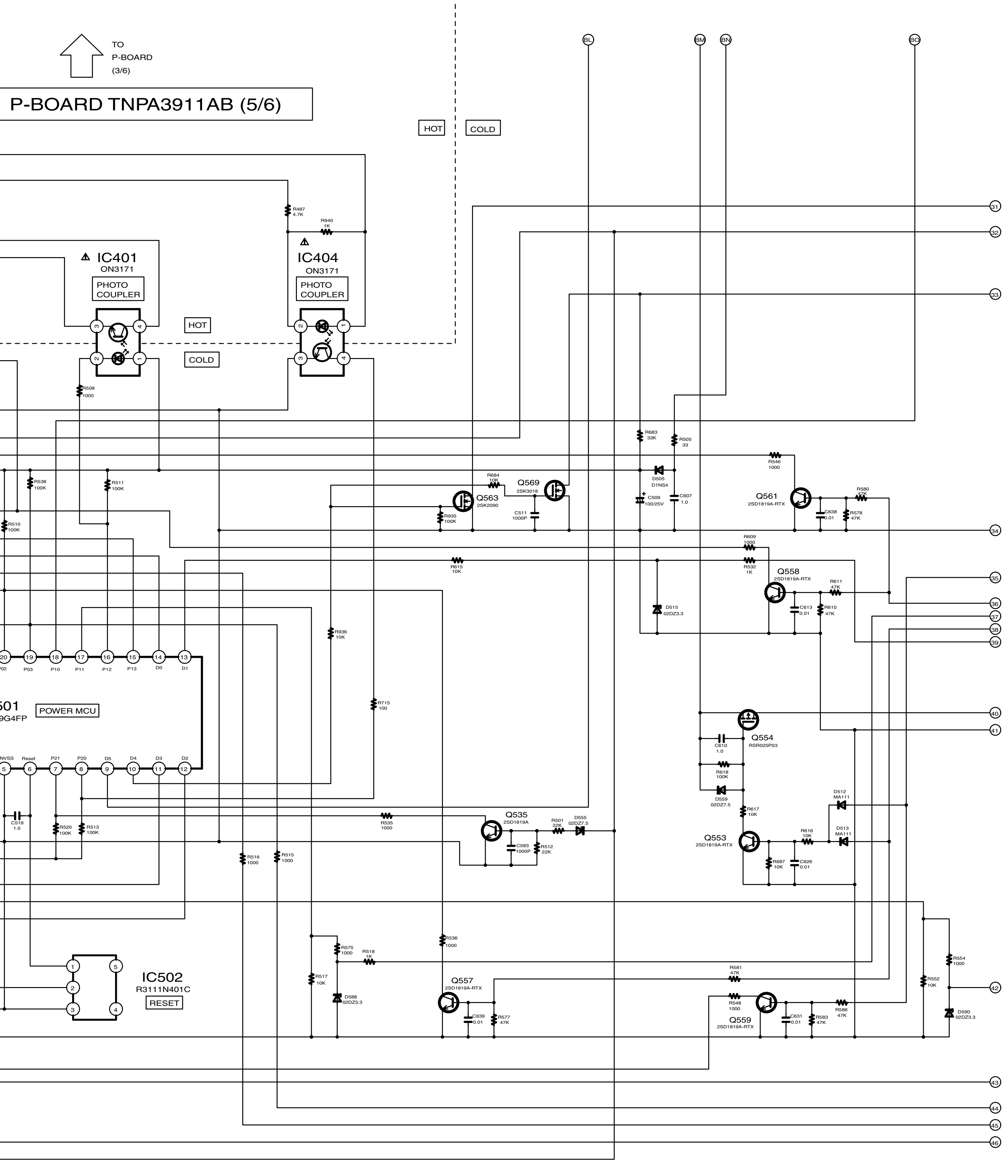
TH-42PA60E, TH-42PD60B
P-Board (4 of 6) Schematic Diagram

14.15. P-Board (5 of 6) Schematic Diagram (42inch)



A
B
C
D
E
F
1
2
3
4
5
BA
BB
BC
BD
BE
BF
BG
BH
BI
BJ
BK
COLD
HOT
P-BOARD
IC412
ON3171
PHOTO COUPLER
IC405
ON3171
PHOTO COUPLER
IC403
ON3171
PHOTO COUPLER
Q568
2SJ463A
Q512
2SK3018
Q551
2SK3018
Q501
2SD1820A
Q502
2SD1820A
R955 47K
C659 0.01
R956 100K
R939 1K
R630 4.7K
R678 0
R557 100K
R558 470K
R950 1M
C533 0.01
C612 0.01
R508 1000
R514 100K
R538 100K
R714 100
R509 100K
R519 100K
R510 100K
R602 3300
R686 1000
R525 47K
R689 1000
C510 0.1
R606 1200
C608 0.01
C506 0.01
IC501
M34509G4FP
POWER MCU
24 P30
23 P31
22 P00
21 P01
20 P02
19 P03
18 P10
17 P11
1 VDD
2 VSS
3 XIN
4 XOUT
5 CNVSS
6 Reset
7 P21
8 P20
C504 1.0
X501 4MHz
C519 1.0
R520 100K
R513 100K
R506 1000
C501 0.01
R502 100K
C502 0.01
R503 100K
R504 1000
C505 1000P

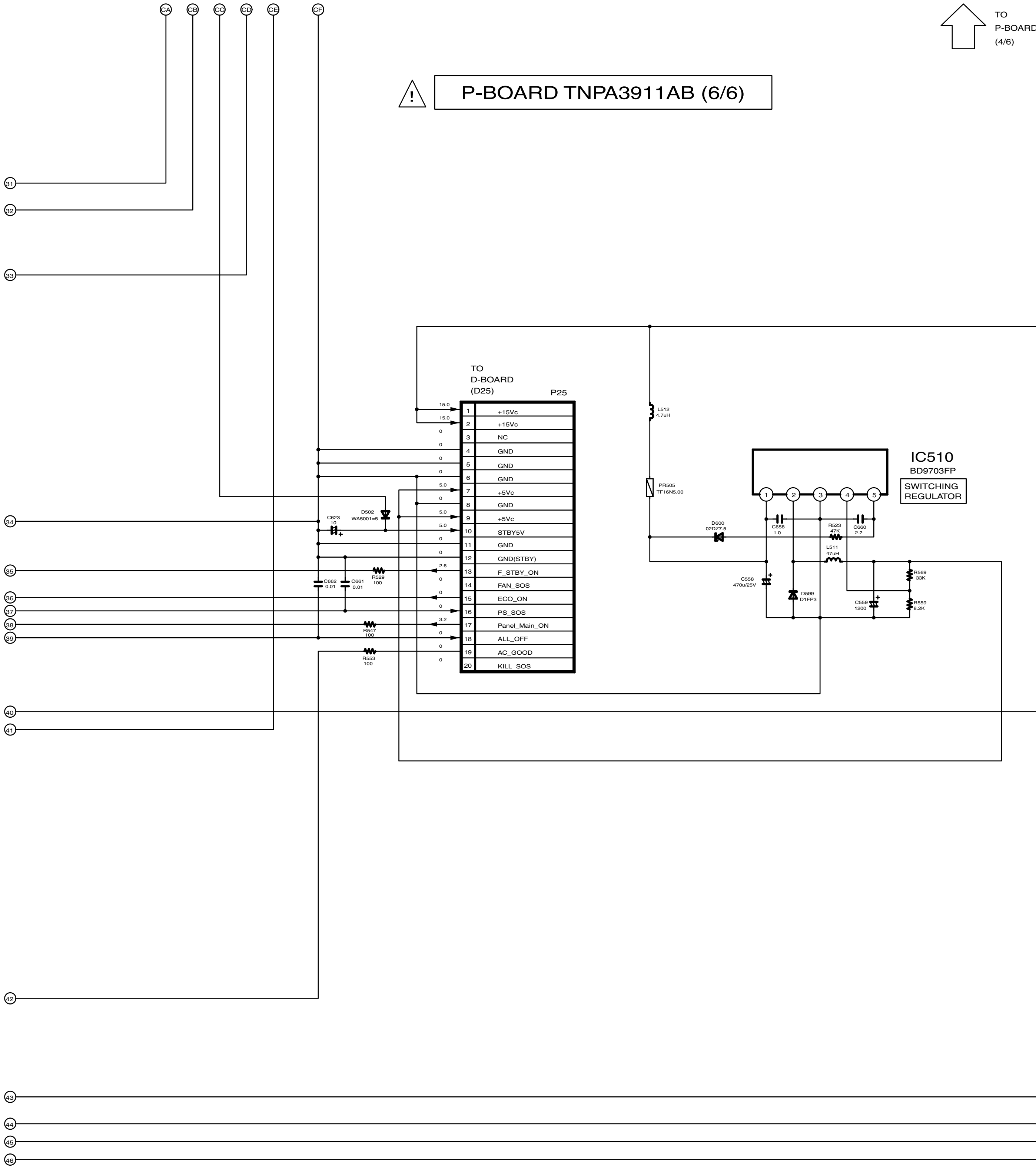
TH-42PA60E, TH-42PD60B
P-Board (5 of 6) Schematic Diagram

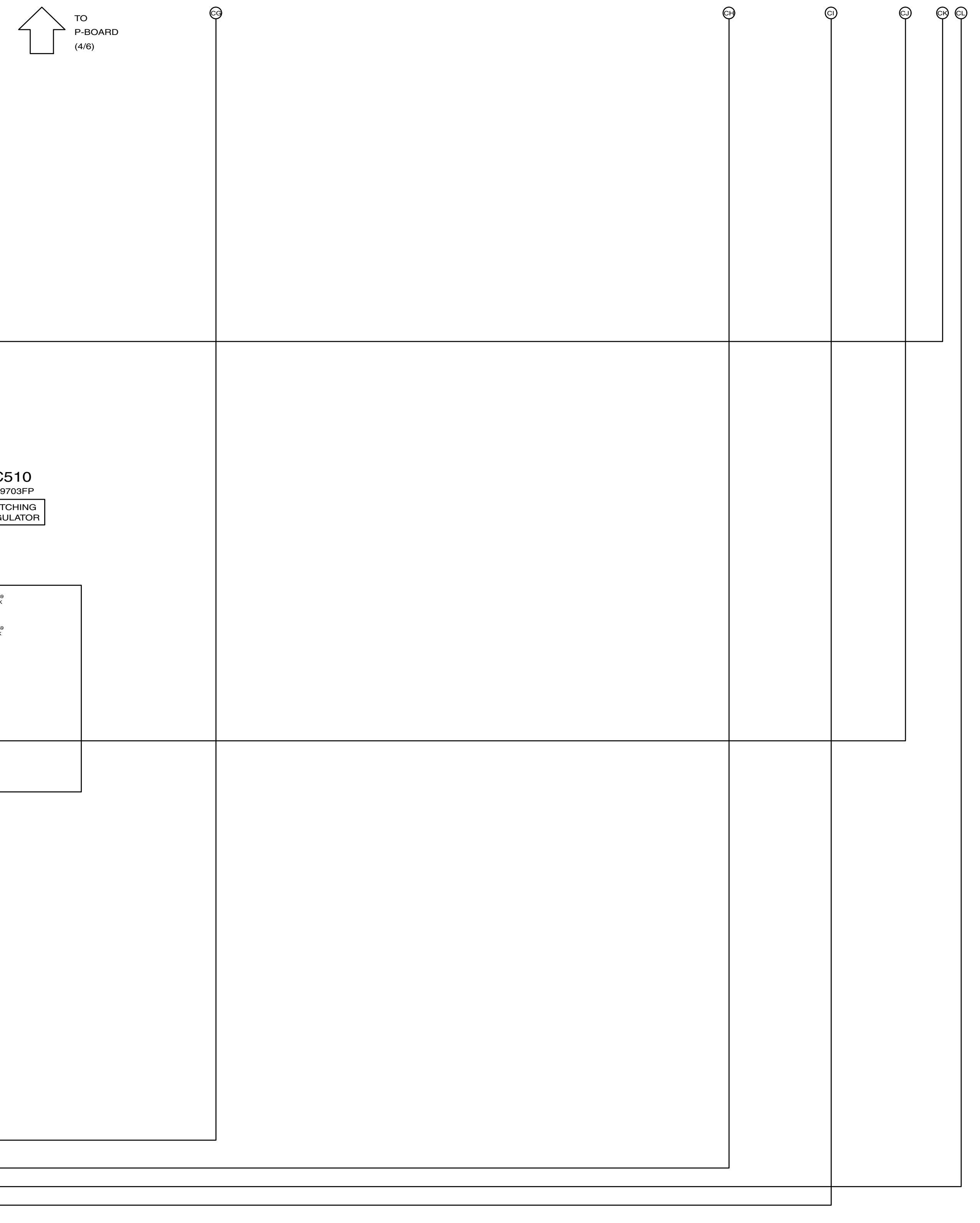

TO
P-BOARD
(3/6)
P-BOARD TNPA3911AB (5/6)
HOT
COLD
BL
BM
BN
BO
IC401
ON3171
PHOTO
COUPLER
IC404
ON3171
PHOTO
COUPLER
HOT
COLD
R487
4.7K
R940
1K
R508
1000
R538
100K
R511
100K
R510
100K
501
9G4FP
POWER MCU
P02
P03
P10
P11
P12
P13
D0
D1
NVSS
Reset
P21
P20
D5
D4
D3
D2
C519
1.0
R520
100K
R513
100K
IC502
R3111N401C
RESET
R516
1000
R515
1000
R936
10K
R715
100
R517
10K
R575
1000
D588
02DZ3.3
R518
1K
R536
1000
Q557
2SD1819A-RTX
C639
0.01
R577
47K
R535
1000
Q535
2SD1819A
C583
1000P
R512
22K
R501
22K
D555
02DZ7.5
R684
10K
Q569
2SK3018
Q563
2SK2090
R935
100K
C511
1000P
R615
10K
R683
33K
R505
33
D505
D1NS4
C509
100/25V
C607
1.0
D515
02DZ3.3
R546
1000
Q561
2SD1819A-RTX
R580
47K
C638
0.01
R578
47K
R609
1000
R532
1K
Q558
2SD1819A-RTX
R611
47K
C613
0.01
R610
47K
Q554
RSR025P03
C610
1.0
R618
100K
D559
02DZ7.5
R617
10K
D512
MA111
Q553
2SD1819A-RTX
R616
10K
D513
MA111
R687
10K
C626
0.01
R581
47K
R548
1000
Q559
2SD1819A-RTX
C631
0.01
R583
47K
R586
47K
R552
10K
R554
1000
D590
02DZ3.3
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46

TH-42PA60E, TH-42PD60B
P-Board (5 of 6) Schematic Diagram

5
6
7
8
9

14.16. P-Board (6 of 6) Schematic Diagram (42inch)

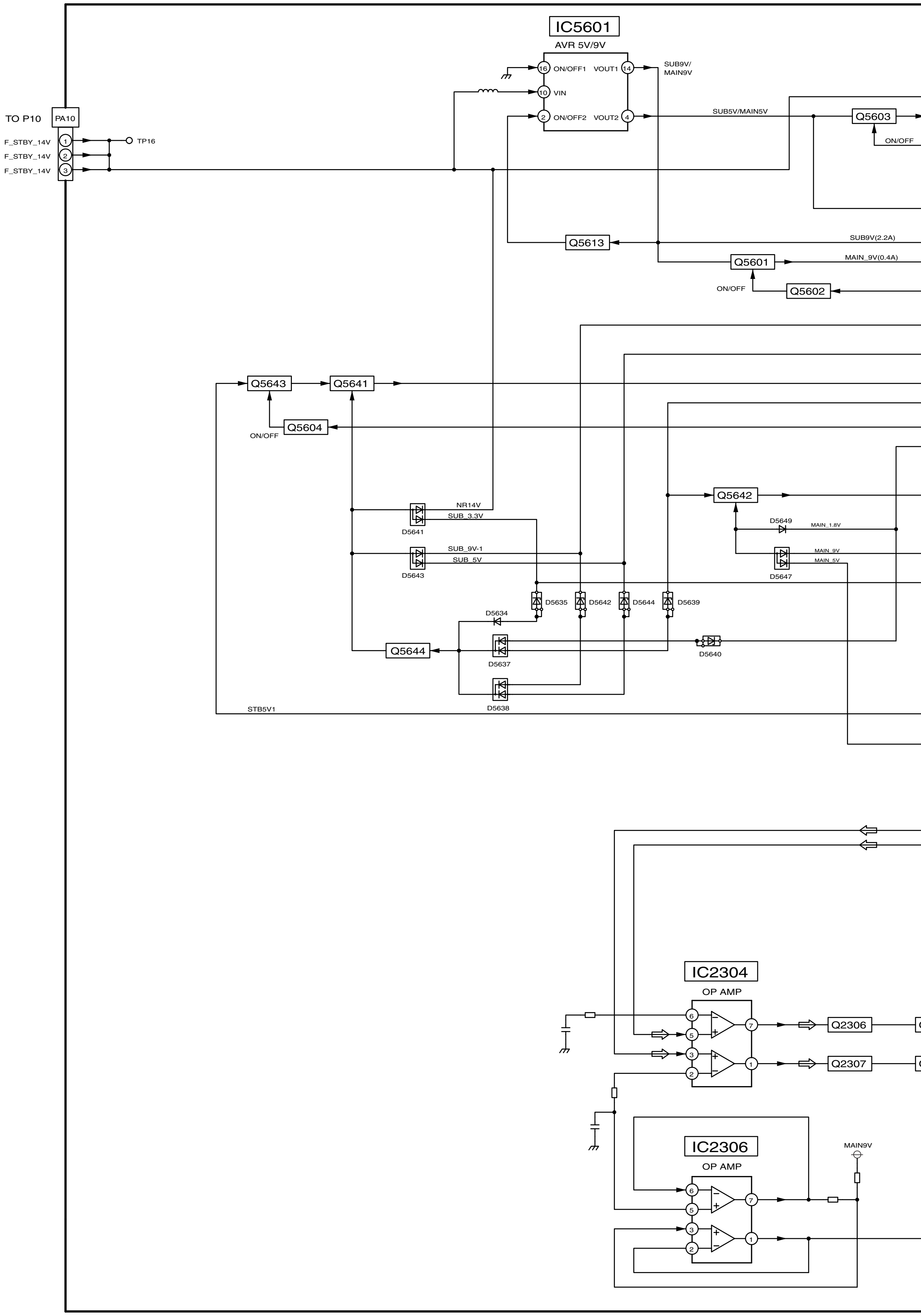

CA
CB
CC
CD
CE
CF
TO
P-BOARD
(4/6)
P-BOARD TNPA3911AB (6/6)
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
TO
D-BOARD
(D25)
P25
15.0
15.0
0
0
0
0
5.0
0
5.0
5.0
0
0
2.6
0
0
0
3.2
0
0
0
1 +15Vc
2 +15Vc
3 NC
4 GND
5 GND
6 GND
7 +5Vc
8 GND
9 +5Vc
10 STBY5V
11 GND
12 GND(STBY)
13 F_STBY_ON
14 FAN_SOS
15 ECO_ON
16 PS_SOS
17 Panel_Main_ON
18 ALL_OFF
19 AC_GOOD
20 KILL_SOS
C623
10
D502
WA5001=5
C662
0.01
C661
0.01
R529
100
R547
100
R553
100
L512
4.7uH
PR505
TF16N5.00
D600
02DZ7.5
IC510
BD9703FP
SWITCHING
REGULATOR
1
2
3
4
5
C658
1.0
R523
47K
C660
2.2
L511
47uH
C558
470u/25V
D599
D1FP3
C559
1200
R569
33K
R559
8.2K

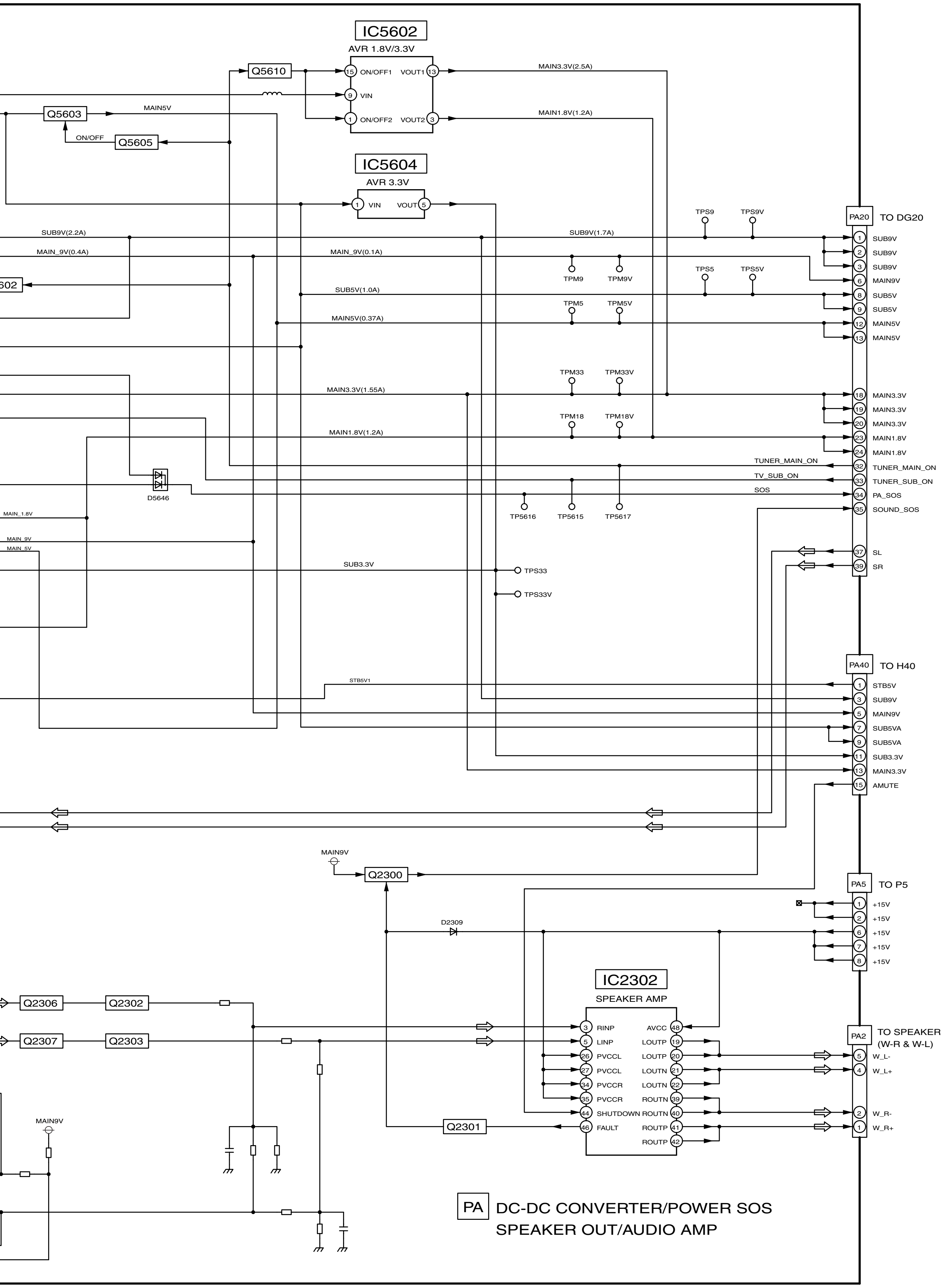

TO
P-BOARD
(4/6)
CG
CH
CI
CJ
CK
CL
C510
9703FP
TCHING
ULATOR

TH-42PA60E, TH-42PD60B
P-Board (6 of 6) Schematic Diagram

14 15 16 17 18

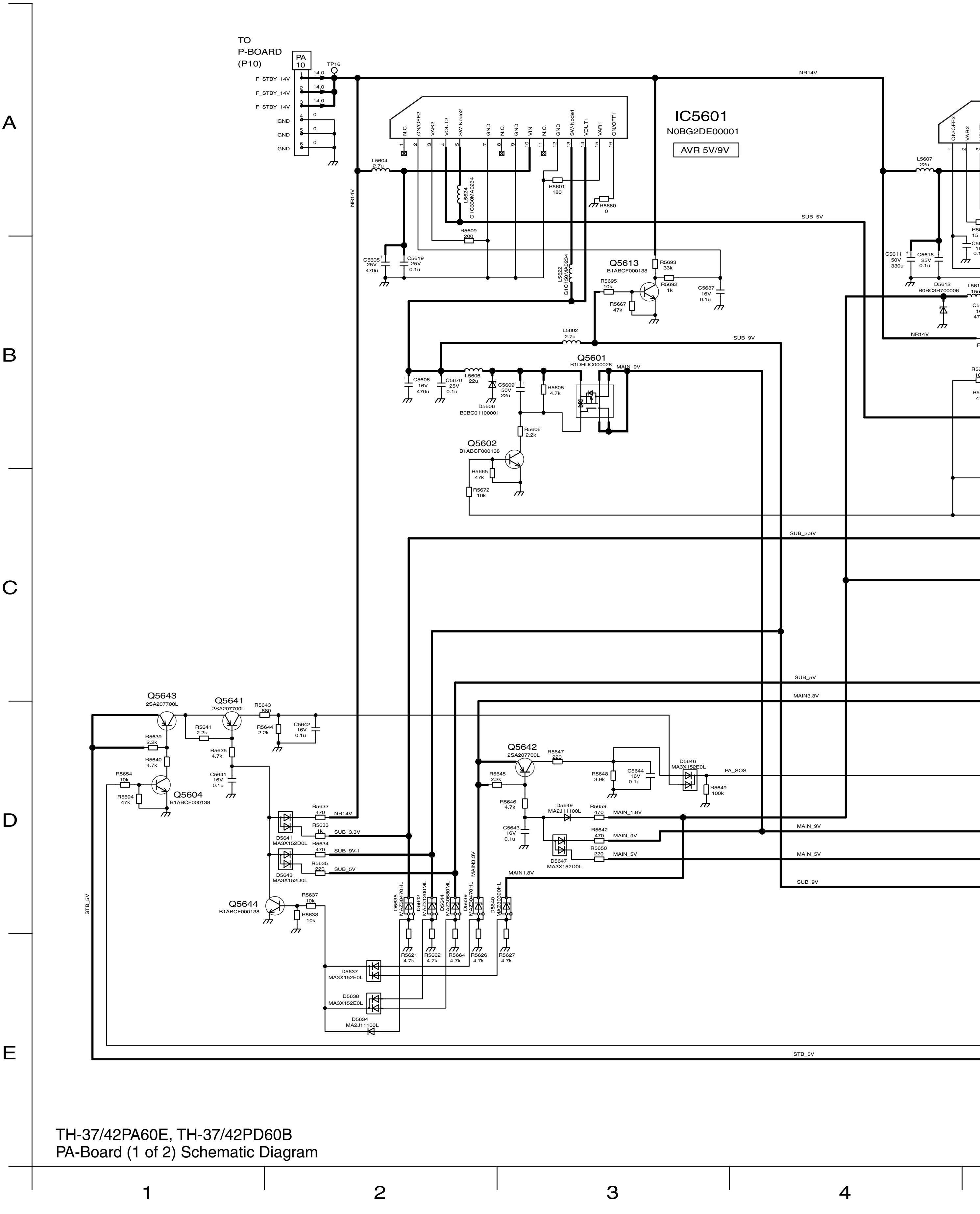
14.17. PA-Board Block Diagram


IC5601
AVR 5V/9V
ON/OFF1
VOUT1
VIN
ON/OFF2
VOUT2
16
14
10
2
4
SUB9V/
MAIN9V
SUB5V/MAIN5V
Q5603
ON/OFF
TO P10
PA10
F_STBY_14V
F_STBY_14V
F_STBY_14V
1
2
3
TP16
Q5613
SUB9V(2.2A)
Q5601
MAIN_9V(0.4A)
ON/OFF
Q5602
Q5643
Q5641
Q5604
ON/OFF
Q5642
NR14V
SUB_3.3V
D5641
D5649
MAIN_1.8V
SUB_9V-1
SUB_5V
D5643
MAIN_9V
MAIN_5V
D5647
D5635
D5642
D5644
D5639
D5634
Q5644
D5637
D5640
D5638
STB5V1
IC2304
OP AMP
6
5
3
2
7
1
Q2306
Q2307
IC2306
OP AMP
MAIN9V
6
5
3
2
7
1

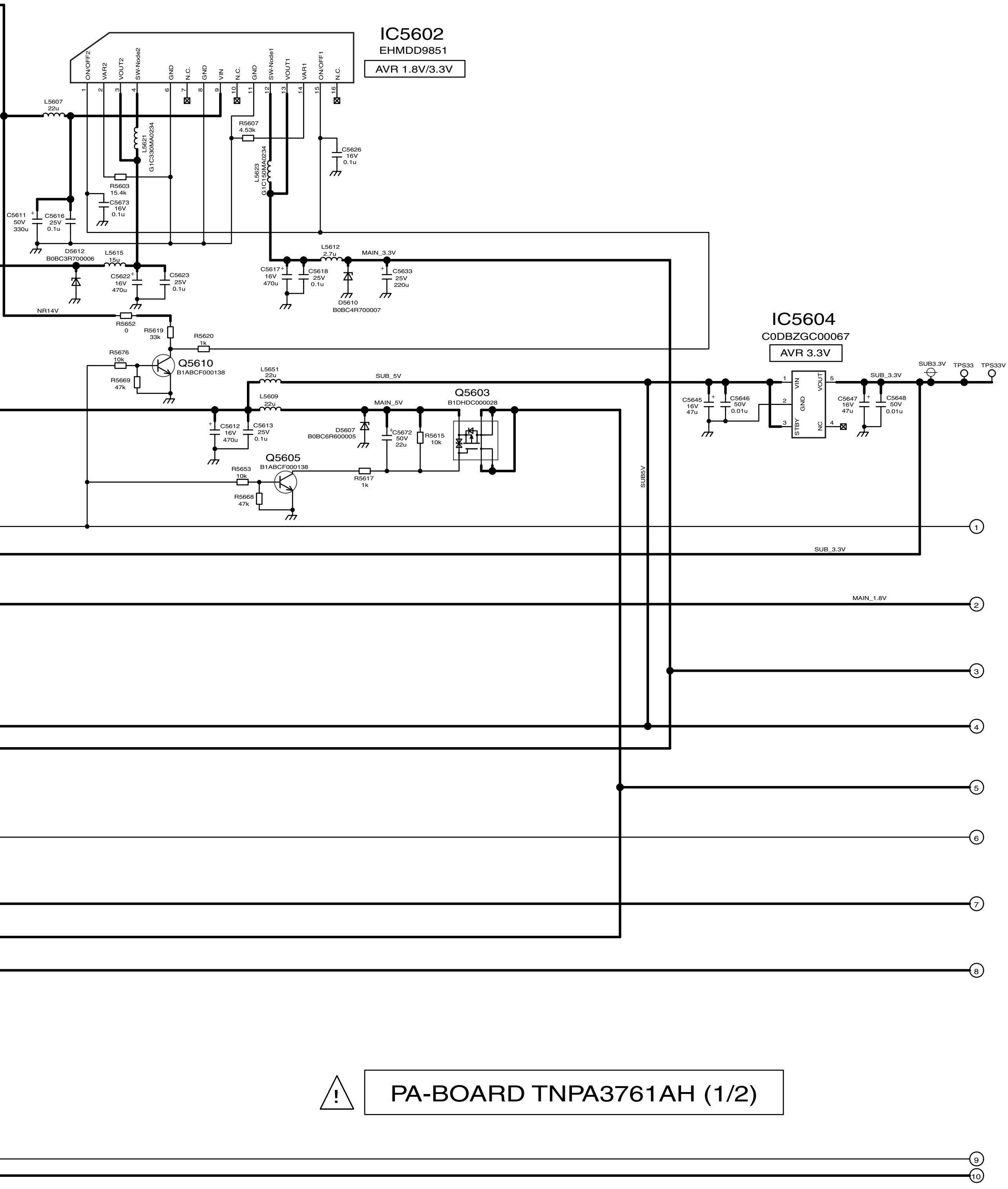

IC5602
AVR 1.8V/3.3V
Q5610
15 ON/OFF1 VOUT1 13
9 VIN
1 ON/OFF2 VOUT2 3
MAIN3.3V(2.5A)
MAIN1.8V(1.2A)
Q5603
MAIN5V
ON/OFF
Q5605
IC5604
AVR 3.3V
1 VIN VOUT 5
SUB9V(2.2A)
MAIN_9V(0.4A)
MAIN_9V(0.1A)
SUB9V(1.7A)
602
SUB5V(1.0A)
MAIN5V(0.37A)
MAIN3.3V(1.55A)
MAIN1.8V(1.2A)
TPS9
TPS9V
TPM9
TPM9V
TPS5
TPS5V
TPM5
TPM5V
TPM33
TPM33V
TPM18
TPM18V
PA20
TO DG20
1 SUB9V
2 SUB9V
3 SUB9V
6 MAIN9V
8 SUB5V
9 SUB5V
12 MAIN5V
13 MAIN5V
18 MAIN3.3V
19 MAIN3.3V
20 MAIN3.3V
23 MAIN1.8V
24 MAIN1.8V
32 TUNER_MAIN_ON
33 TUNER_SUB_ON
34 PA_SOS
35 SOUND_SOS
37 SL
39 SR
TUNER_MAIN_ON
TV_SUB_ON
SOS
D5646
TP5616
TP5615
TP5617
MAIN_1.8V
MAIN_9V
MAIN_5V
SUB3.3V
TPS33
TPS33V
PA40
TO H40
STB5V1
1 STB5V
3 SUB9V
5 MAIN9V
7 SUB5VA
9 SUB5VA
11 SUB3.3V
13 MAIN3.3V
15 AMUTE
MAIN9V
Q2300
PA5
TO P5
1 +15V
2 +15V
6 +15V
7 +15V
8 +15V
D2309
IC2302
SPEAKER AMP
3 RINP
5 LINP
26 PVCCL
27 PVCCL
34 PVCCR
35 PVCCR
44 SHUTDOWN
46 FAULT
AVCC 48
LOUTP 19
LOUTP 20
LOUTN 21
LOUTN 22
ROUTN 39
ROUTN 40
ROUTP 41
ROUTP 42
PA2
TO SPEAKER
(W-R & W-L)
5 W_L-
4 W_L+
2 W_R-
1 W_R+
Q2306
Q2302
Q2307
Q2303
Q2301
MAIN9V
PA
DC-DC CONVERTER/POWER SOS
SPEAKER OUT/AUDIO AMP

TH-37/42PA60E, TH-37/42PD60B
PA-Board Block Diagram

14.18. PA-Board (1 of 2) Schematic Diagram

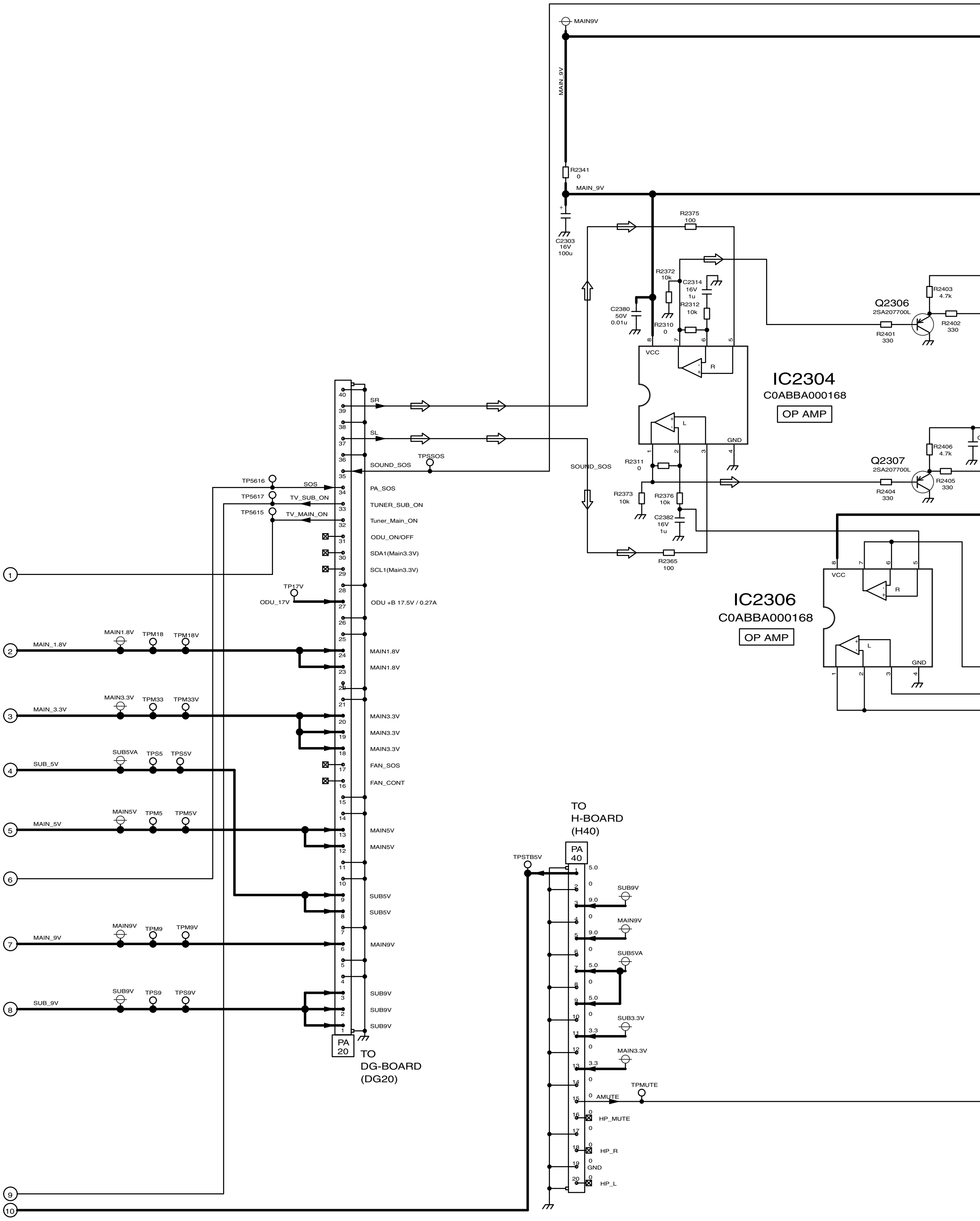

A
B
C
D
E
1
2
3
4
TO P-BOARD (P10)
PA 10
TP16
F_STBY_14V
GND
IC5601
N0BG2DE00001
AVR 5V/9V
NR14V
SUB_5V
SUB_9V
SUB_3.3V
MAIN_9V
MAIN3.3V
MAIN1.8V
MAIN_5V
MAIN_1.8V
PA_SOS
STB_5V
Q5601
B1DHDC000028
Q5602
B1ABCF000138
Q5613
B1ABCF000138
Q5641
2SA207700L
Q5642
2SA207700L
Q5643
2SA207700L
Q5604
B1ABCF000138
Q5644
B1ABCF000138

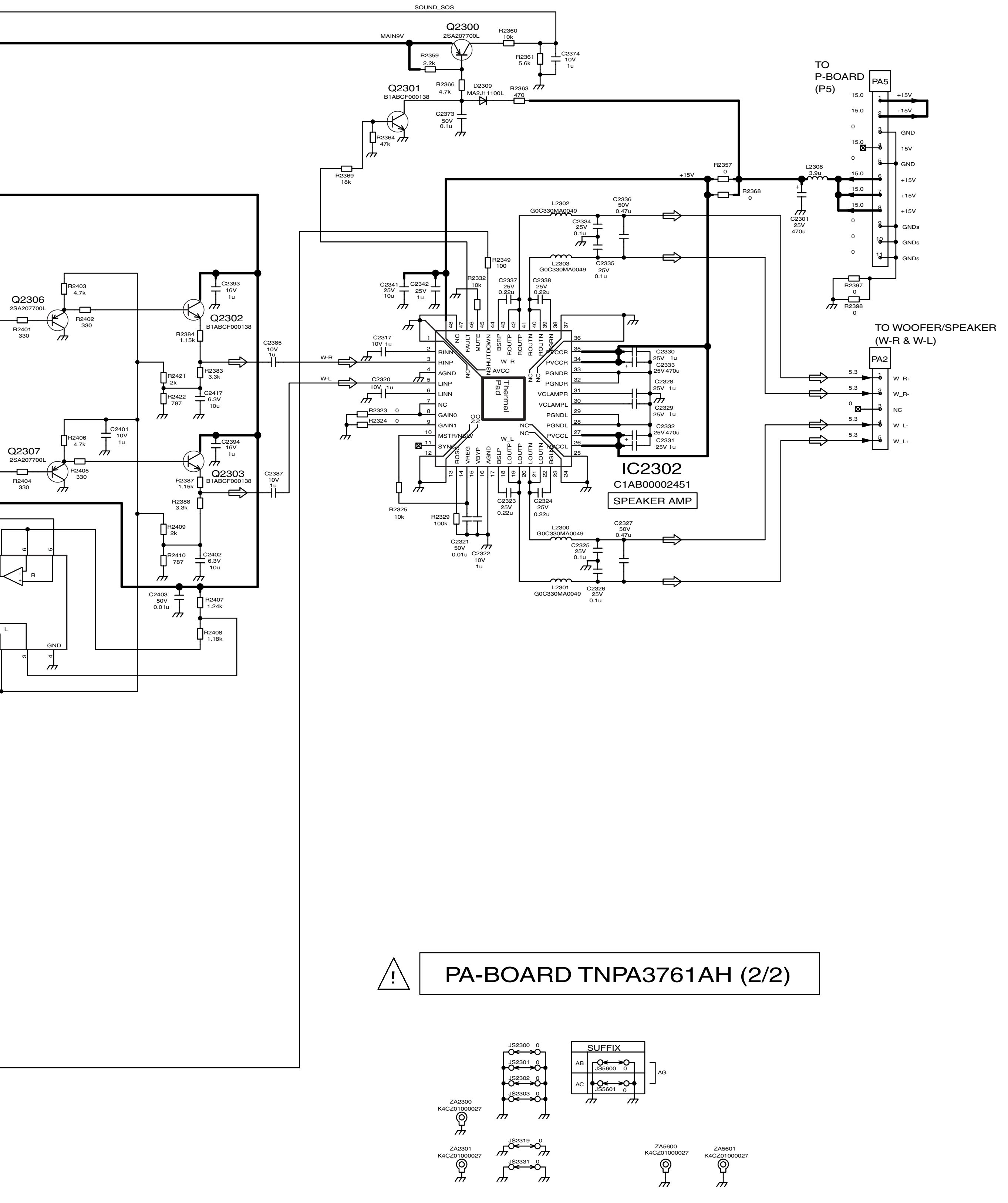
TH-37/42PA60E, TH-37/42PD60B
PA-Board (1 of 2) Schematic Diagram


IC5602
EHMDD9851
AVR 1.8V/3.3V
ON/OFF2
VAR2
VOUT2
SW-Node2
GND
N.C.
GND
VIN
N.C.
GND
SW-Node1
VOUT1
VAR1
ON/OFF1
N.C.
L5607 22u
R5607 4.53k
C5626 16V 0.1u
L5621 G1C330MA0234
L5623 G1C150MA0234
R5603 15.4k
C5673 16V 0.1u
C5611 50V 330u
C5616 25V 0.1u
D5612 B0BC3R700006
L5615 15u
C5622 16V 470u
C5623 25V 0.1u
L5612 2.7u
MAIN_3.3V
C5617 16V 470u
C5618 25V 0.1u
C5633 25V 220u
D5610 B0BC4R700007
NR14V
R5652 0
R5619 33k
R5620 1k
R5676 10k
R5669 47k
Q5610
B1ABCF000138
L5651 22u
SUB_5V
L5609 22u
MAIN_5V
Q5603
B1DHDC000028
C5612 16V 470u
C5613 25V 0.1u
D5607 B0BC6R600005
C5672 50V 22u
R5615 10k
Q5605
B1ABCF000138
R5653 10k
R5668 47k
R5617 1k
SUB5V
IC5604
C0DBZGC00067
AVR 3.3V
VIN
GND
STBY
VOUT
NC
C5645 16V 47u
C5646 50V 0.01u
C5647 16V 47u
C5648 50V 0.01u
SUB_3.3V
SUB3.3V
TPS33
TPS33V
SUB_3.3V
MAIN_1.8V
1
2
3
4
5
6
7
8
9
10
PA-BOARD TNPA3761AH (1/2)

5 6 7 8

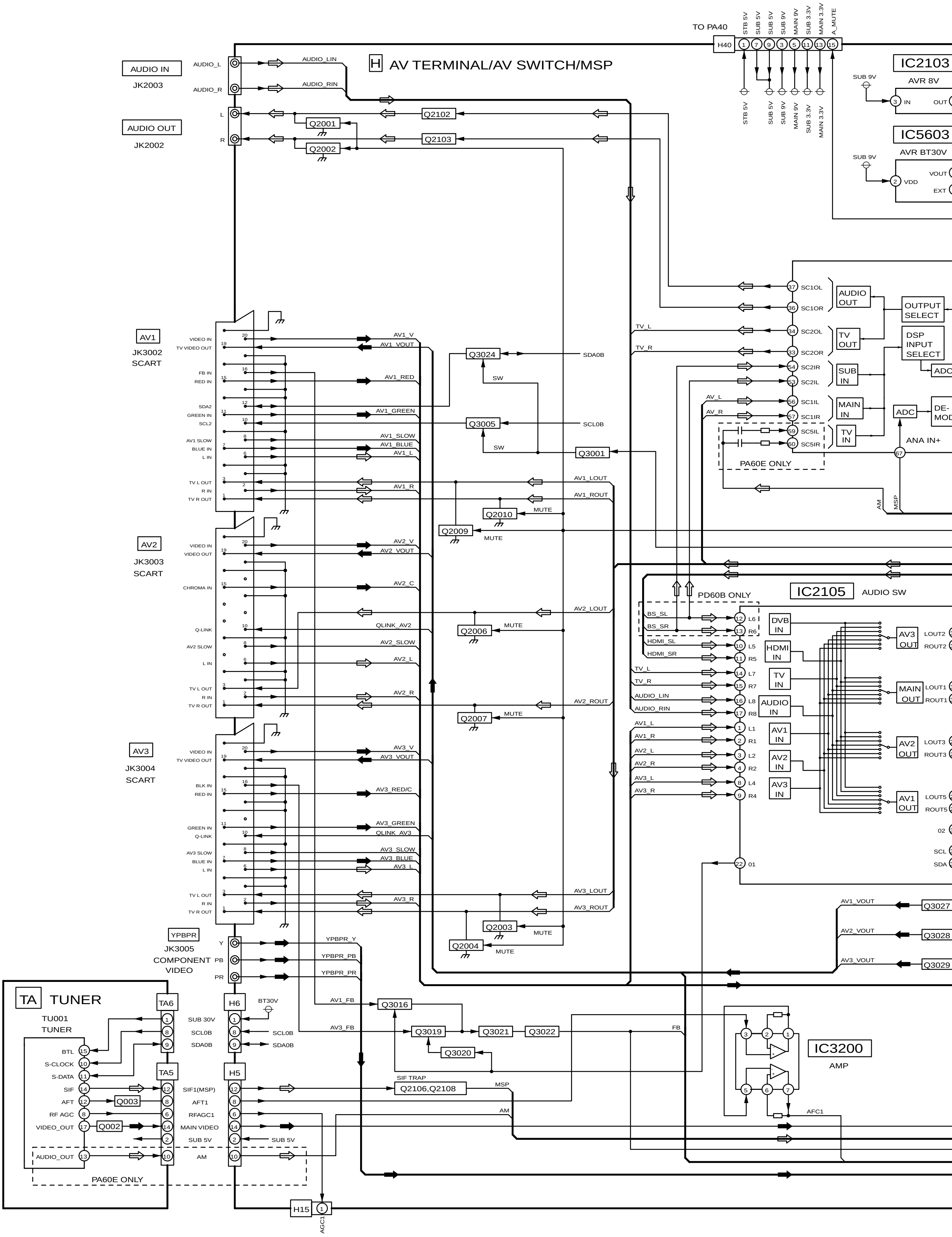
14.19. PA-Board (2 of 2) Schematic Diagram


MAIN9V
MAIN_9V
R2341
0
MAIN_9V
C2303
16V
100u
R2375
100
R2372
10k
C2314
16V
1u
R2312
10k
C2380
50V
0.01u
R2310
0
R2403
4.7k
Q2306
2SA207700L
R2401
330
R2402
330
VCC
R
IC2304
C0ABBA000168
OP AMP
L
GND
R2406
4.7k
Q2307
2SA207700L
R2404
330
R2405
330
SOUND_SOS
R2311
0
R2373
10k
R2376
10k
C2382
16V
1u
R2365
100
IC2306
C0ABBA000168
OP AMP
VCC
R
L
GND
SR
SL
SOUND_SOS
TPSSOS
PA_SOS
TUNER_SUB_ON
Tuner_Main_ON
ODU_ON/OFF
SDA1(Main3.3V)
SCL1(Main3.3V)
ODU +B 17.5V / 0.27A
MAIN1.8V
MAIN1.8V
MAIN3.3V
MAIN3.3V
MAIN3.3V
FAN_SOS
FAN_CONT
MAIN5V
MAIN5V
SUB5V
SUB5V
MAIN9V
SUB9V
SUB9V
SUB9V
TP5616
SOS
TP5617
TV_SUB_ON
TP5615
TV_MAIN_ON
TP17V
ODU_17V
MAIN1.8V
TPM18
TPM18V
MAIN_1.8V
MAIN3.3V
TPM33
TPM33V
MAIN_3.3V
SUB5VA
TPS5
TPS5V
SUB_5V
MAIN5V
TPM5
TPM5V
MAIN_5V
MAIN9V
TPM9
TPM9V
MAIN_9V
SUB9V
TPS9
TPS9V
SUB_9V
1
2
3
4
5
6
7
8
9
10
PA
20
TO
DG-BOARD
(DG20)
TO
H-BOARD
(H40)
PA
40
TPSTB5V
5.0
SUB9V
9.0
MAIN9V
9.0
SUB5VA
5.0
5.0
SUB3.3V
3.3
MAIN3.3V
3.3
TPMUTE
AMUTE
HP_MUTE
HP_R
GND
HP_L


SOUND_SOS
MAIN9V
Q2300
2SA207700L
R2360 10k
R2359 2.2k
R2361 5.6k
C2374 10V 1u
Q2301
B1ABCF000138
R2366 4.7k
D2309 MA2J11100L
R2363 470
C2373 50V 0.1u
R2364 47k
R2369 18k
TO P-BOARD (P5)
PA5
+15V
GND
15V
GNDs
15.0
0
+15V
R2357 0
R2368 0
L2308 3.9u
C2301 25V 470u
R2397 0
R2398 0
L2302 G0C330MA0049
C2336 50V 0.47u
C2334 25V 0.1u
L2303 G0C330MA0049
C2335 25V 0.1u
R2349 100
R2332 10k
C2337 25V 0.22u
C2338 25V 0.22u
C2341 25V 10u
C2342 25V 1u
Q2306
2SA207700L
R2403 4.7k
R2402 330
R2401 330
Q2302
B1ABCF000138
C2393 16V 1u
R2384 1.15k
R2383 3.3k
R2421 2k
R2422 787
C2417 6.3V 10u
C2385 10V 1u
W-R
W-L
C2317 10V 1u
C2320 10V 1u
R2323 0
R2324 0
R2325 10k
R2329 100k
C2321 50V 0.01u
C2322 10V 1u
C2323 25V 0.22u
C2324 25V 0.22u
Thermal Pad
RINN
RINP
AGND
LINP
LINN
NC
GAIN0
GAIN1
MSTR/SLV
SYNC
AVCC
W_R
W_L
NC
FAULT
MUTE
SHUTDOWN
BSRP
ROUTP
ROUTN
BSRN
PVCCR
PGNDR
VCLAMPR
VCLAMPL
PGNDL
PVCCL
ROSC
VREG
VBYP
AGND
BSLP
LOUTP
LOUTN
BSLN
C2330 25V 1u
C2333 25V 470u
C2328 25V 1u
C2329 25V 1u
C2332 25V 470u
C2331 25V 1u
IC2302
C1AB00002451
SPEAKER AMP
TO WOOFER/SPEAKER (W-R & W-L)
PA2
W_R+
W_R-
NC
W_L-
W_L+
5.3
L2300 G0C330MA0049
C2327 50V 0.47u
C2325 25V 0.1u
L2301 G0C330MA0049
C2326 25V 0.1u
Q2307
2SA207700L
R2406 4.7k
R2405 330
R2404 330
C2401 10V 1u
Q2303
B1ABCF000138
C2394 16V 1u
R2387 1.15k
R2388 3.3k
C2387 10V 1u
R2409 2k
R2410 787
C2402 6.3V 10u
C2403 50V 0.01u
R2407 1.24k
R2408 1.18k
R
L
GND
JS2300 0
JS2301 0
JS2302 0
JS2303 0
JS2319 0
JS2331 0
ZA2300 K4CZ01000027
ZA2301 K4CZ01000027
SUFFIX
AB
AC
JS5600 0
JS5601 0
AG
ZA5600 K4CZ01000027
ZA5601 K4CZ01000027

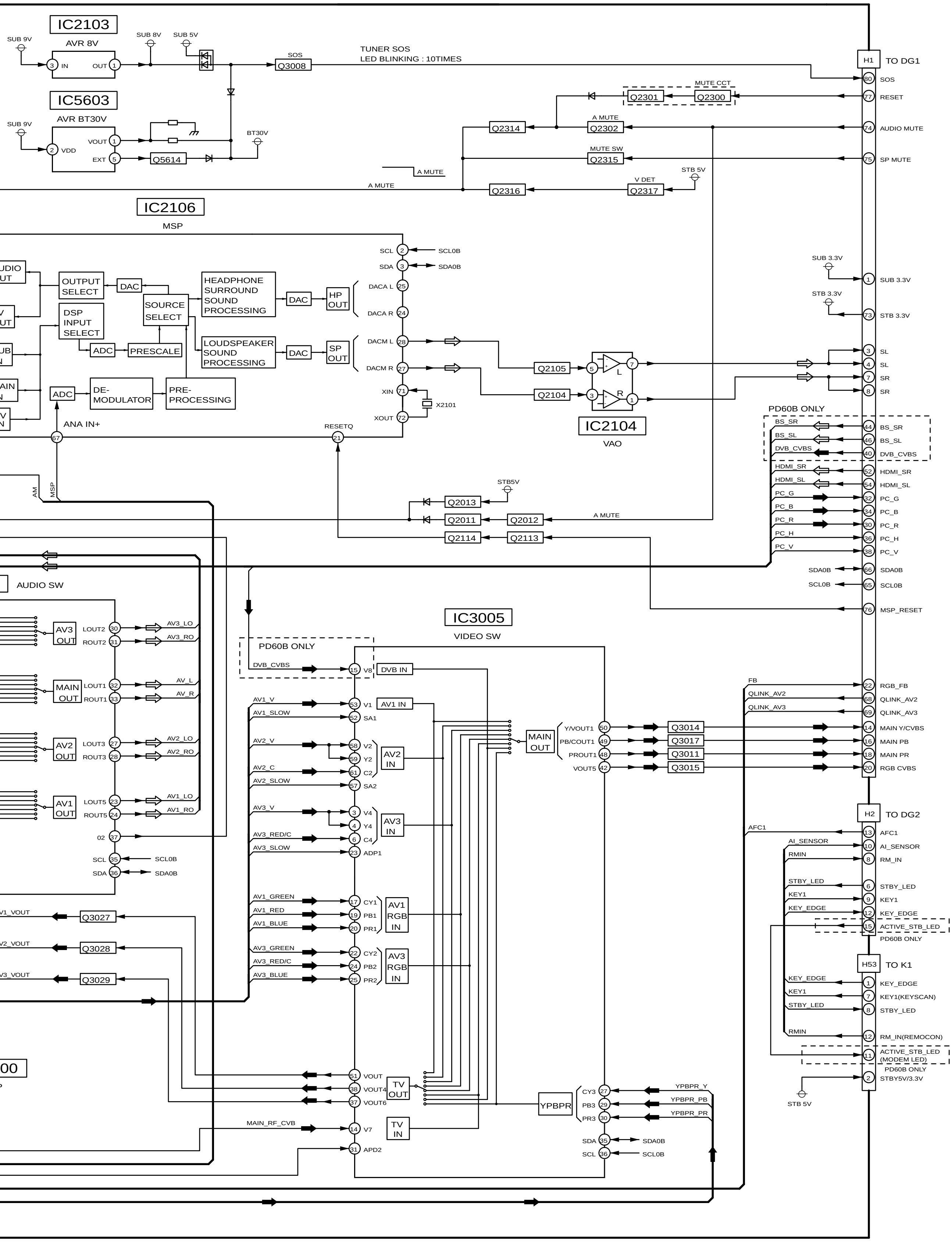
PA-BOARD TNPA3761AH (2/2)

14.20. H and TA-Board Block Diagram



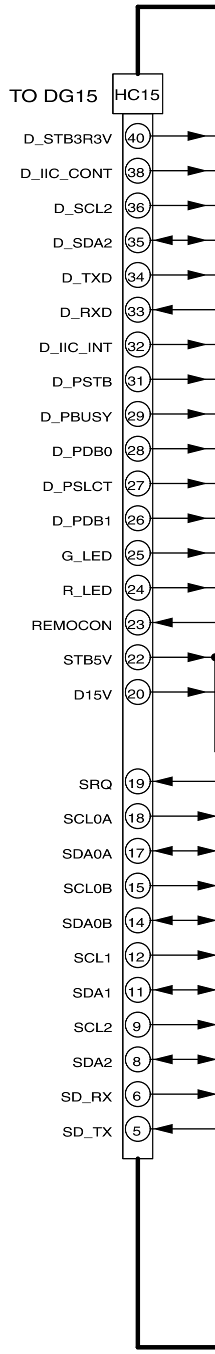
H AV TERMINAL/AV SWITCH/MSP
TO PA40
H40
STB 5V
SUB 5V
SUB 5V
SUB 9V
MAIN 9V
SUB 3.3V
MAIN 3.3V
A_MUTE
IC2103
AVR 8V
SUB 9V
IN
OUT
IC5603
AVR BT30V
VDD
VOUT
EXT
AUDIO IN
JK2003
AUDIO_L
AUDIO_R
AUDIO_LIN
AUDIO_RIN
AUDIO OUT
JK2002
L
R
Q2001
Q2002
Q2102
Q2103
AV1
JK3002
SCART
VIDEO IN
TV VIDEO OUT
FB IN
RED IN
SDA2
GREEN IN
SCL2
AV1 SLOW
BLUE IN
L IN
TV L OUT
R IN
TV R OUT
AV1_V
AV1_VOUT
AV1_RED
AV1_GREEN
AV1_SLOW
AV1_BLUE
AV1_L
AV1_R
Q3024
Q3005
Q3001
SDA0B
SCL0B
SW
AV1_LOUT
AV1_ROUT
Q2010
Q2009
MUTE
AV2
JK3003
SCART
CHROMA IN
Q-LINK
AV2 SLOW
AV2_V
AV2_VOUT
AV2_C
QLINK_AV2
AV2_SLOW
AV2_L
AV2_R
AV2_LOUT
AV2_ROUT
Q2006
Q2007
AV3
JK3004
SCART
BLK IN
AV3 SLOW
AV3_V
AV3_VOUT
AV3_RED/C
AV3_GREEN
QLINK_AV3
AV3_SLOW
AV3_BLUE
AV3_L
AV3_R
AV3_LOUT
AV3_ROUT
Q2003
Q2004
YPBPR
JK3005
COMPONENT
VIDEO
Y
PB
PR
YPBPR_Y
YPBPR_PB
YPBPR_PR
TV_L
TV_R
SC1OL
SC1OR
SC2OL
SC2OR
SC2IR
SC2IL
SC1IL
SC1IR
SC5IL
SC5IR
AV_L
AV_R
AUDIO OUT
TV OUT
SUB IN
MAIN IN
TV IN
OUTPUT SELECT
DSP INPUT SELECT
ADC
DE-MOD
ANA IN+
PA60E ONLY
AM
MSP
IC2105
AUDIO SW
PD60B ONLY
BS_SL
BS_SR
HDMI_SL
HDMI_SR
AUDIO_LIN
AUDIO_RIN
AV1_L
AV1_R
AV2_L
AV2_R
AV3_L
AV3_R
DVB IN
HDMI IN
TV IN
AUDIO IN
AV1 IN
AV2 IN
AV3 IN
AV3 OUT
MAIN OUT
AV2 OUT
AV1 OUT
LOUT2
ROUT2
LOUT1
ROUT1
LOUT3
ROUT3
LOUT5
ROUT5
02
SCL
SDA
01
AV1_VOUT
AV2_VOUT
AV3_VOUT
Q3027
Q3028
Q3029
TA TUNER
TU001
TUNER
BTL
S-CLOCK
S-DATA
SIF
AFT
RF AGC
VIDEO_OUT
AUDIO_OUT
Q003
Q002
TA6
TA5
H6
H5
SUB 30V
SCL0B
SDA0B
BT30V
SIF1(MSP)
AFT1
RFAGC1
MAIN VIDEO
SUB 5V
AM
AV1_FB
AV3_FB
Q3016
Q3019
Q3021
Q3022
Q3020
FB
SIF TRAP
Q2106,Q2108
MSP
IC3200
AMP
AFC1
H15
AGC1

TH-37/42PA60E, TH-37/42PD60B
H and TA-Board Block Diagram

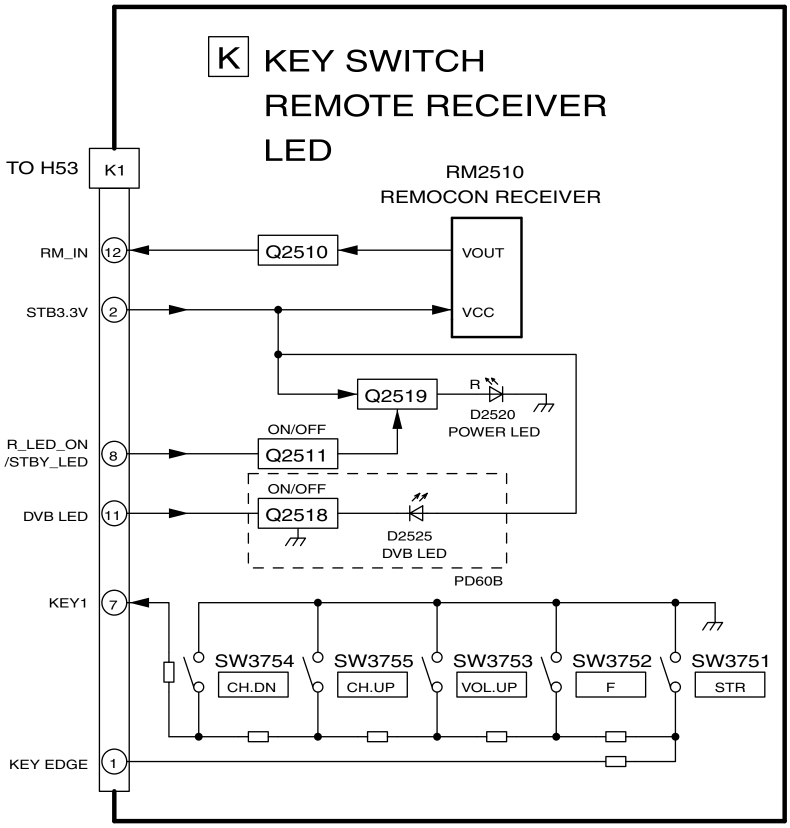

IC2103
AVR 8V
SUB 9V
SUB 8V
SUB 5V
IN
OUT
SOS
Q3008
TUNER SOS
LED BLINKING : 10TIMES
H1
TO DG1
80 SOS
77 RESET
MUTE CCT
Q2301
Q2300
IC5603
AVR BT30V
VOUT
VDD
EXT
Q5614
BT30V
A MUTE
Q2314
Q2302
74 AUDIO MUTE
MUTE SW
Q2315
75 SP MUTE
A MUTE
STB 5V
V DET
Q2316
Q2317
IC2106
MSP
SCL
SCL0B
SDA
SDA0B
OUTPUT SELECT
DAC
HEADPHONE SURROUND SOUND PROCESSING
DAC
HP OUT
DACA L
DACA R
SOURCE SELECT
DSP INPUT SELECT
ADC
PRESCALE
LOUDSPEAKER SOUND PROCESSING
DAC
SP OUT
DACM L
DACM R
ADC
DE-MODULATOR
PRE-PROCESSING
XIN
XOUT
X2101
ANA IN+
RESETQ
Q2105
Q2104
L
R
IC2104
VAO
SUB 3.3V
1 SUB 3.3V
STB 3.3V
73 STB 3.3V
3 SL
4 SL
7 SR
8 SR
PD60B ONLY
BS_SR
BS_SL
DVB_CVBS
44 BS_SR
46 BS_SL
40 DVB_CVBS
HDMI_SR
HDMI_SL
62 HDMI_SR
64 HDMI_SL
PC_G
PC_B
PC_R
PC_H
PC_V
32 PC_G
34 PC_B
30 PC_R
36 PC_H
38 PC_V
AM
MSP
STB5V
Q2013
Q2011
Q2012
A MUTE
Q2114
Q2113
SDA0B
66 SDA0B
SCL0B
65 SCL0B
76 MSP_RESET
AUDIO SW
AV3 OUT
LOUT2
ROUT2
AV3_LO
AV3_RO
MAIN OUT
LOUT1
ROUT1
AV_L
AV_R
AV2 OUT
LOUT3
ROUT3
AV2_LO
AV2_RO
AV1 OUT
LOUT5
ROUT5
AV1_LO
AV1_RO
02
SCL
SCL0B
SDA
SDA0B
IC3005
VIDEO SW
PD60B ONLY
DVB_CVBS
V8
DVB IN
AV1_V
AV1_SLOW
V1
SA1
AV1 IN
AV2_V
V2
Y2
AV2_C
C2
AV2_SLOW
SA2
AV2 IN
AV3_V
V4
Y4
AV3_RED/C
C4
AV3_SLOW
ADP1
AV3 IN
AV1_GREEN
AV1_RED
AV1_BLUE
CY1
PB1
PR1
AV1 RGB IN
AV3_GREEN
AV3_RED/C
AV3_BLUE
CY2
PB2
PR2
AV3 RGB IN
MAIN OUT
Y/VOUT1
PB/COUT1
PROUT1
VOUT5
Q3014
Q3017
Q3011
Q3015
FB
QLINK_AV2
QLINK_AV3
22 RGB_FB
68 QLINK_AV2
69 QLINK_AV3
14 MAIN Y/CVBS
16 MAIN PB
18 MAIN PR
20 RGB CVBS
H2
TO DG2
AFC1
13 AFC1
AI_SENSOR
10 AI_SENSOR
RMIN
8 RM_IN
STBY_LED
6 STBY_LED
KEY1
9 KEY1
KEY_EDGE
12 KEY_EDGE
15 ACTIVE_STB_LED
PD60B ONLY
H53
TO K1
KEY_EDGE
1 KEY_EDGE
KEY1
7 KEY1(KEYSCAN)
STBY_LED
8 STBY_LED
RMIN
12 RM_IN(REMOCON)
11 ACTIVE_STB_LED (MODEM LED)
PD60B ONLY
2 STBY5V/3.3V
STB 5V
V1_VOUT
Q3027
V2_VOUT
Q3028
V3_VOUT
Q3029
VOUT
VOUT4
VOUT6
TV OUT
MAIN_RF_CVB
V7
TV IN
APD2
YPBPR
CY3
PB3
PR3
YPBPR_Y
YPBPR_PB
YPBPR_PR
SDA
SDA0B
SCL
SCL0B

TH-37/42PA60E, TH-37/42PD60B
H and TA-Board Block Diagram

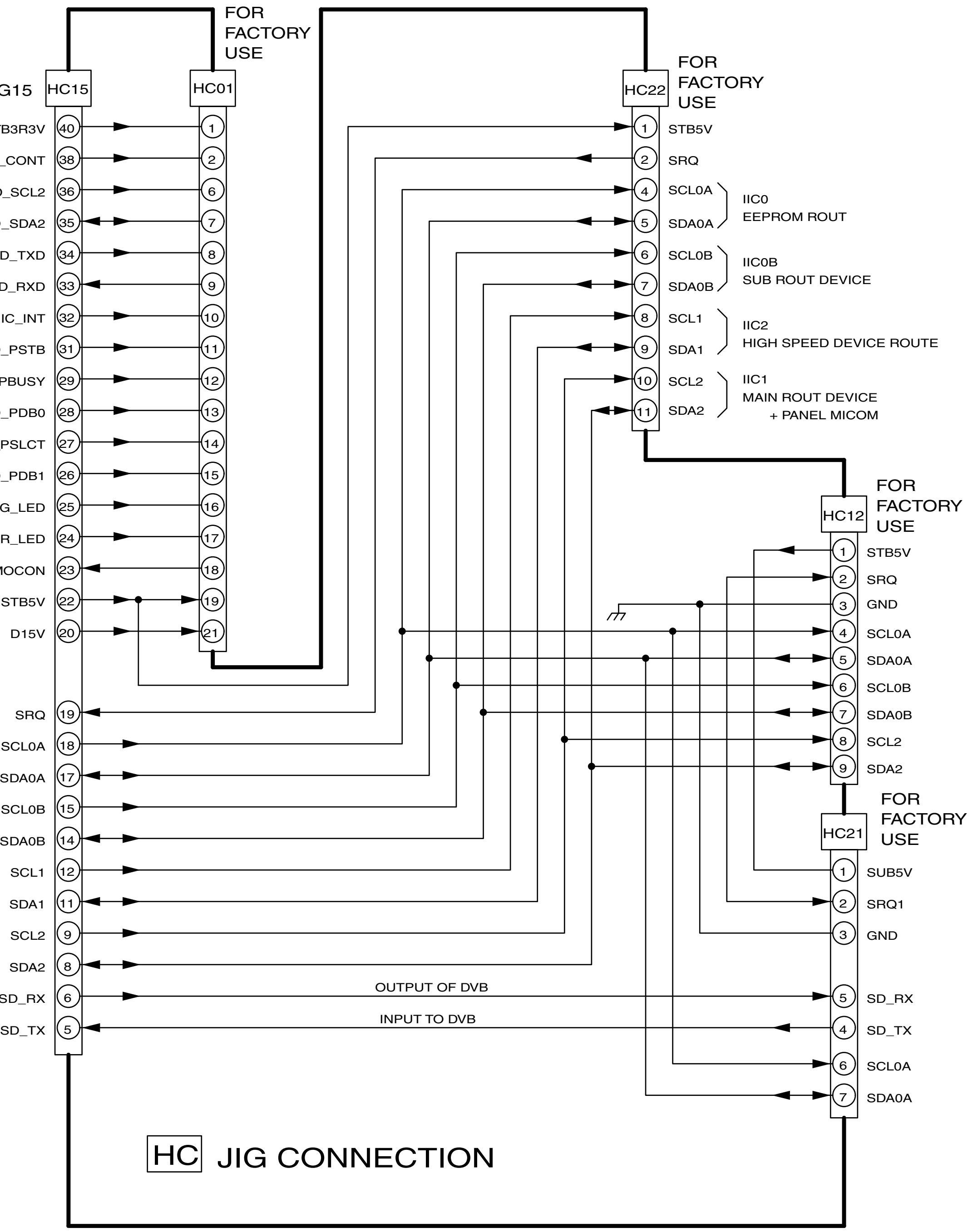
14.21. HC and K-Board Block Diagram



TO DG15
HC15
D_STB3R3V 40
D_IIC_CONT 38
D_SCL2 36
D_SDA2 35
D_TXD 34
D_RXD 33
D_IIC_INT 32
D_PSTB 31
D_PBUSY 29
D_PDB0 28
D_PSLCT 27
D_PDB1 26
G_LED 25
R_LED 24
REMOCON 23
STB5V 22
D15V 20
SRQ 19
SCL0A 18
SDA0A 17
SCL0B 15
SDA0B 14
SCL1 12
SDA1 11
SCL2 9
SDA2 8
SD_RX 6
SD_TX 5

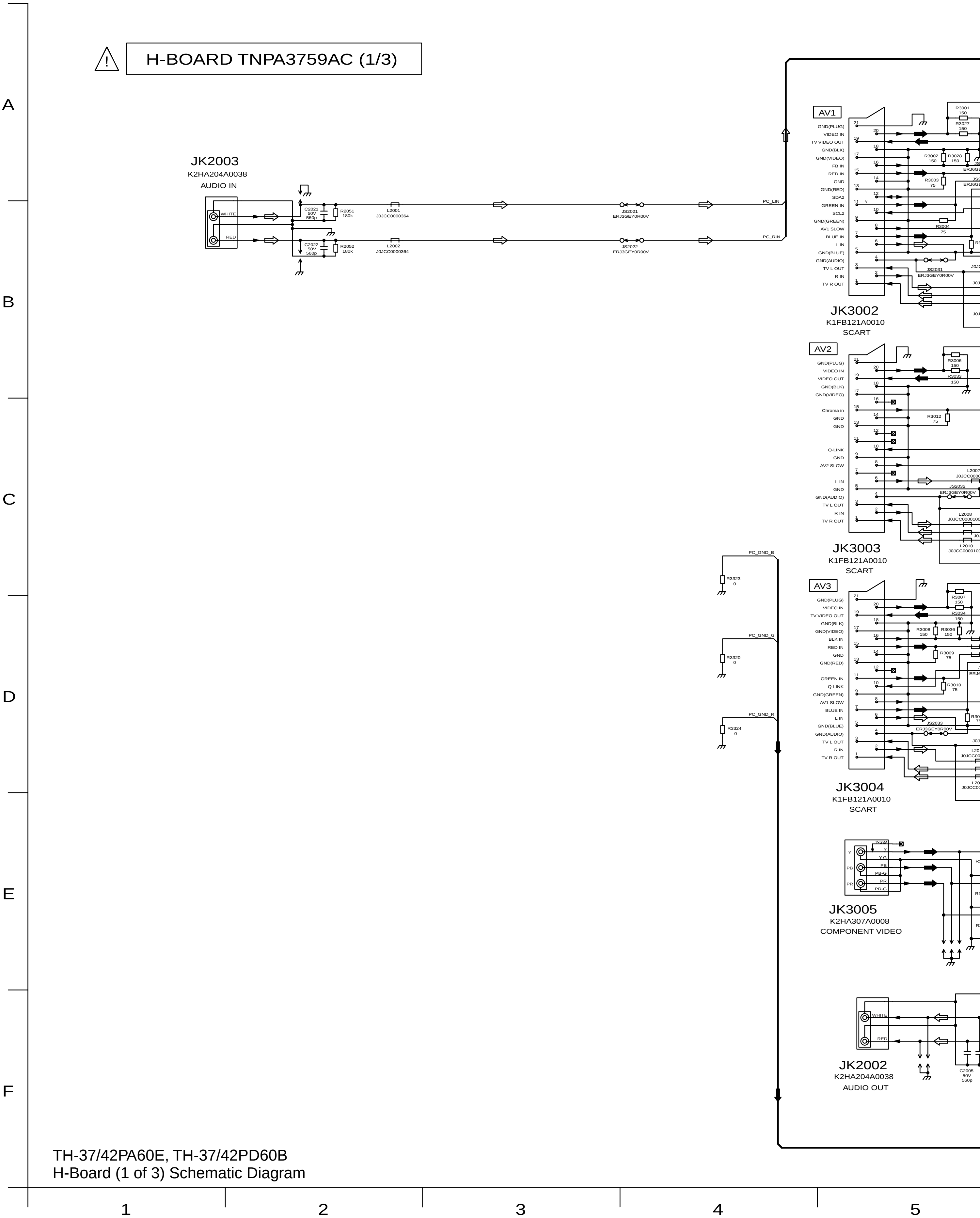


K
KEY SWITCH
REMOTE RECEIVER
LED
TO H53
K1
RM2510
REMOCON RECEIVER
VOUT
VCC
RM_IN 12
STB3.3V 2
R_LED_ON
/STBY_LED 8
DVB LED 11
KEY1 7
KEY EDGE 1
Q2510
Q2519
R
D2520
POWER LED
ON/OFF
Q2511
ON/OFF
Q2518
D2525
DVB LED
PD60B
SW3754
CH.DN
SW3755
CH.UP
SW3753
VOL.UP
SW3752
F
SW3751
STR

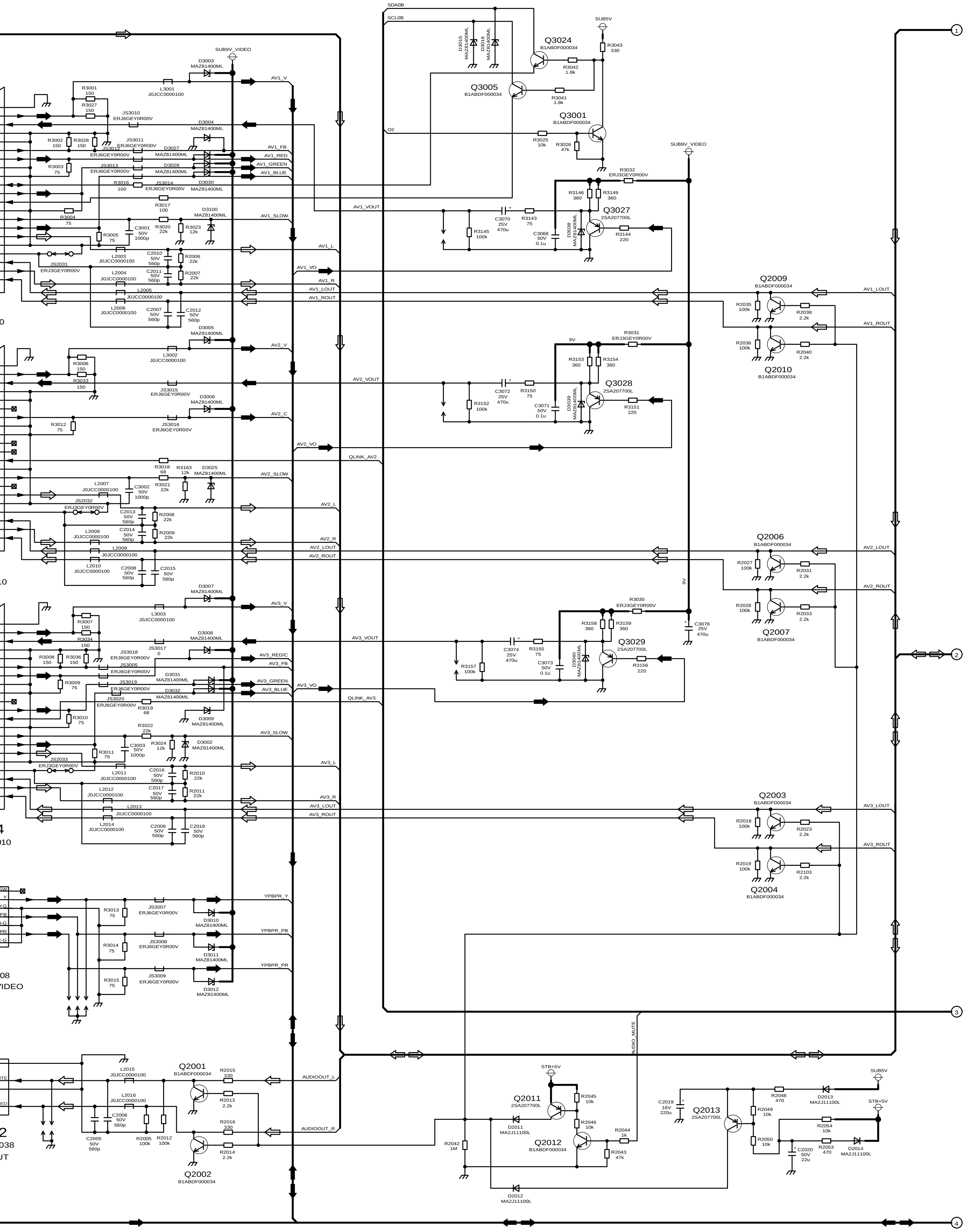

FOR FACTORY USE
G15
HC15
HC01
HC22
FOR FACTORY USE
B3R3V
_CONT
_SCL2
_SDA2
D_TXD
D_RXD
IC_INT
_PSTB
PBUSY
_PDB0
PSLCT
_PDB1
G_LED
R_LED
IOCON
STB5V
D15V
SRQ
SCL0A
SDA0A
SCL0B
SDA0B
SCL1
SDA1
SCL2
SDA2
SD_RX
SD_TX
40
38
36
35
34
33
32
31
29
28
27
26
25
24
23
22
20
19
18
17
15
14
12
11
9
8
6
5
1
2
6
7
8
9
10
11
12
13
14
15
16
17
18
19
21
1 STB5V
2 SRQ
4 SCL0A
5 SDA0A
6 SCL0B
7 SDA0B
8 SCL1
9 SDA1
10 SCL2
11 SDA2
IIC0
EEPROM ROUT
IIC0B
SUB ROUT DEVICE
IIC2
HIGH SPEED DEVICE ROUTE
IIC1
MAIN ROUT DEVICE
+ PANEL MICOM
FOR FACTORY USE
HC12
1 STB5V
2 SRQ
3 GND
4 SCL0A
5 SDA0A
6 SCL0B
7 SDA0B
8 SCL2
9 SDA2
FOR FACTORY USE
HC21
1 SUB5V
2 SRQ1
3 GND
5 SD_RX
4 SD_TX
6 SCL0A
7 SDA0A
OUTPUT OF DVB
INPUT TO DVB
HC JIG CONNECTION

TH-37/42PA60E, TH-37/42PD60B
HC and K-Board Block Diagram

14.22. H-Board (1 of 3) Schematic Diagram


H-BOARD TNPA3759AC (1/3)
A
B
C
D
E
F
1
2
3
4
5
JK2003
K2HA204A0038
AUDIO IN
WHITE
RED
C2021 50V 560p
R2051 180k
C2022 50V 560p
R2052 180k
L2001 J0JCC0000364
L2002 J0JCC0000364
JS2021 ERJ3GEY0R00V
JS2022 ERJ3GEY0R00V
PC_LIN
PC_RIN
AV1
GND(PLUG)
VIDEO IN
TV VIDEO OUT
GND(BLK)
GND(VIDEO)
FB IN
RED IN
GND
GND(RED)
SDA2
GREEN IN
SCL2
GND(GREEN)
AV1 SLOW
BLUE IN
L IN
GND(BLUE)
GND(AUDIO)
TV L OUT
R IN
TV R OUT
R3001 150
R3027 150
R3002 150
R3028 150
R3003 75
R3004 75
JS2031 ERJ3GEY0R00V
JK3002
K1FB121A0010
SCART
AV2
VIDEO OUT
Chroma in
Q-LINK
AV2 SLOW
R3006 150
R3033 150
R3012 75
L2007
JS2032 ERJ3GEY0R00V
L2008
L2010
JK3003
K1FB121A0010
SCART
PC_GND_B
R3323 0
PC_GND_G
R3320 0
PC_GND_R
R3324 0
AV3
BLK IN
R3007 150
R3034 150
R3008 150
R3036 150
R3009 75
R3010 75
JS2033 ERJ3GEY0R00V
JK3004
K1FB121A0010
SCART
Y
PB
PR
Y-SW
Y-G
PB-G
PR-G
JK3005
K2HA307A0008
COMPONENT VIDEO
WHITE
RED
C2005 50V 560p
JK2002
K2HA204A0038
AUDIO OUT

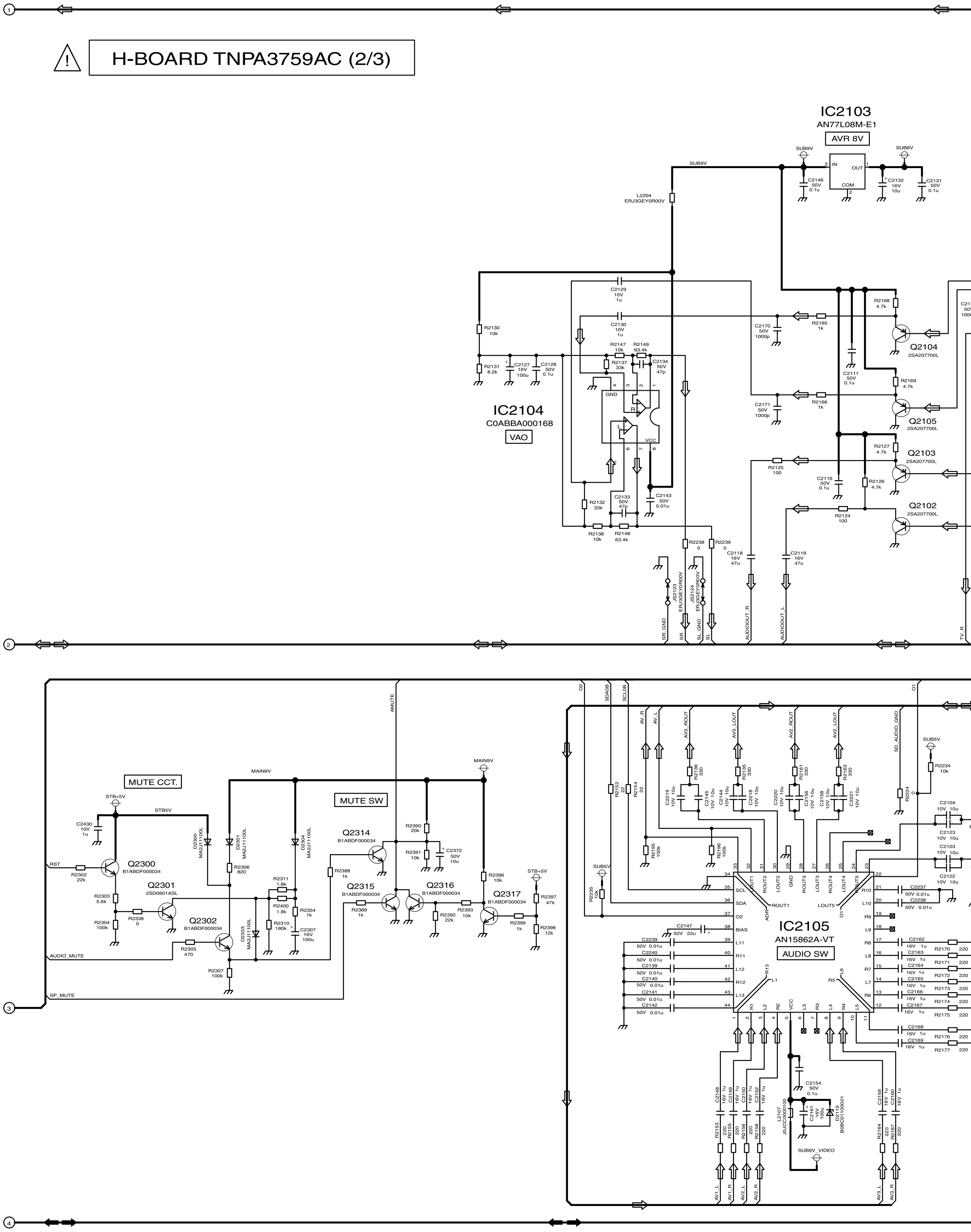
TH-37/42PA60E, TH-37/42PD60B
H-Board (1 of 3) Schematic Diagram


SDA0B
SCL0B
SUB5V
Q3024
B1ABDF000034
R3043
330
R3042
1.8k
D3015
MAZ81400ML
D3016
MAZ81400ML
Q3005
B1ABDF000034
R3041
1.8k
Q3001
B1ABDF000034
O2
R3025
10k
R3026
47k
SUB9V_VIDEO
D3003
MAZ81400ML
AV1_V
R3001
150
L3001
J0JCC0000100
R3027
150
JS3010
ERJ6GEY0R00V
D3004
MAZ81400ML
R3002
150
R3028
150
JS3011
ERJ6GEY0R00V
JS3012
ERJ6GEY0R00V
D3027
MAZ81400ML
AV1_FB
AV1_RED
R3003
75
JS3013
ERJ6GEY0R00V
D3028
MAZ81400ML
AV1_GREEN
AV1_BLUE
R3016
100
JS3014
ERJ6GEY0R00V
D3030
MAZ81400ML
R3032
ERJ3GEY0R00V
R3146
360
R3149
360
R3017
100
D3100
MAZ81400ML
AV1_VOUT
AV1_SLOW
R3004
75
Q3027
2SA207700L
C3070
25V
470u
R3143
75
R3145
100k
C3068
50V
0.1u
D3038
MAZ81400ML
R3144
220
R3005
75
C3001
50V
1000p
R3020
22k
R3023
12k
AV1_L
C2010
50V
560p
R2006
22k
L2003
J0JCC0000100
JS2031
ERJ3GEY0R00V
AV1_VO
L2004
J0JCC0000100
C2011
50V
560p
R2007
22k
AV1_R
L2005
J0JCC0000100
AV1_LOUT
AV1_ROUT
L2006
J0JCC0000100
C2007
50V
560p
C2012
50V
560p
Q2009
B1ABDF000034
R2035
100k
R2038
2.2k
R2036
100k
R2040
2.2k
Q2010
B1ABDF000034
D3005
MAZ81400ML
AV2_V
R3031
ERJ3GEY0R00V
9V
R3153
360
R3154
360
L3002
J0JCC0000100
R3006
150
R3033
150
AV2_VOUT
JS3015
ERJ6GEY0R00V
D3006
MAZ81400ML
Q3028
2SA207700L
C3072
25V
470u
R3150
75
R3152
100k
C3071
50V
0.1u
D3039
MAZ81400ML
R3151
220
R3012
75
JS3016
ERJ6GEY0R00V
AV2_C
AV2_VO
QLINK_AV2
R3018
68
R3163
12k
D3025
MAZ81400ML
AV2_SLOW
L2007
J0JCC0000100
C3002
50V
1000p
R3021
22k
JS2032
ERJ3GEY0R00V
AV2_L
C2013
50V
560p
R2008
22k
L2008
J0JCC0000100
C2014
50V
560p
R2009
22k
AV2_R
L2009
J0JCC0000100
AV2_LOUT
AV2_ROUT
L2010
J0JCC0000100
C2008
50V
560p
C2015
50V
560p
Q2006
B1ABDF000034
R2027
100k
R2031
2.2k
R2028
100k
R2033
2.2k
Q2007
B1ABDF000034
D3007
MAZ81400ML
AV3_V
R3030
ERJ3GEY0R00V
L3003
J0JCC0000100
R3007
150
R3158
360
R3159
360
C3076
25V
470u
D3008
MAZ81400ML
AV3_VOUT
R3034
150
JS3017
0
Q3029
2SA207700L
R3008
150
R3036
150
JS3018
ERJ6GEY0R00V
AV3_RED/C
AV3_FB
C3074
25V
470u
R3155
75
R3157
100k
C3073
50V
0.1u
D3040
MAZ81400ML
R3156
220
JS3005
ERJ6GEY0R00V
D3031
MAZ81400ML
R3009
75
JS3019
ERJ6GEY0R00V
AV3_GREEN
AV3_VO
AV3_BLUE
D3032
MAZ81400ML
JS3020
ERJ6GEY0R00V
R3019
68
QLINK_AV3
R3010
75
D3009
MAZ81400ML
R3022
22k
AV3_SLOW
R3024
12k
D3002
MAZ81400ML
C3003
50V
1000p
R3011
75
JS2033
ERJ3GEY0R00V
AV3_L
L2011
J0JCC0000100
C2016
50V
560p
R2010
22k
C2017
50V
560p
R2011
22k
L2012
J0JCC0000100
AV3_R
AV3_LOUT
L2013
J0JCC0000100
AV3_ROUT
L2014
J0JCC0000100
C2009
50V
560p
C2018
50V
560p
Q2003
B1ABDF000034
R2018
100k
R2023
2.2k
R2019
100k
R2103
2.2k
Q2004
B1ABDF000034
YPBPR_Y
R3013
75
JS3007
ERJ6GEY0R00V
D3010
MAZ81400ML
YPBPR_PB
R3014
75
JS3008
ERJ6GEY0R00V
D3011
MAZ81400ML
YPBPR_PR
R3015
75
JS3009
ERJ6GEY0R00V
D3012
MAZ81400ML
AUDIO_MUTE
L2015
J0JCC0000100
Q2001
B1ABDF000034
R2015
330
AUDIOOUT_L
L2016
J0JCC0000100
R2013
2.2k
C2006
50V
560p
R2016
330
AUDIOOUT_R
C2005
50V
560p
R2005
100k
R2012
100k
R2014
2.2k
Q2002
B1ABDF000034
STB+5V
Q2011
2SA207700L
R2045
10k
D2011
MA2J11100L
R2046
10k
Q2012
B1ABDF000034
R2044
1k
R2042
1M
R2043
47k
D2012
MA2J11100L
C2019
16V
220u
Q2013
2SA207700L
R2048
470
D2013
MA2J11100L
SUB5V
STB+5V
R2049
10k
R2054
10k
R2050
10k
C2020
50V
22u
R2053
470
D2014
MA2J11100L
1
2
3
4

TH-37/42PA60E, TH-37/42PD60B H-Board (1 of 3) Schematic Diagram

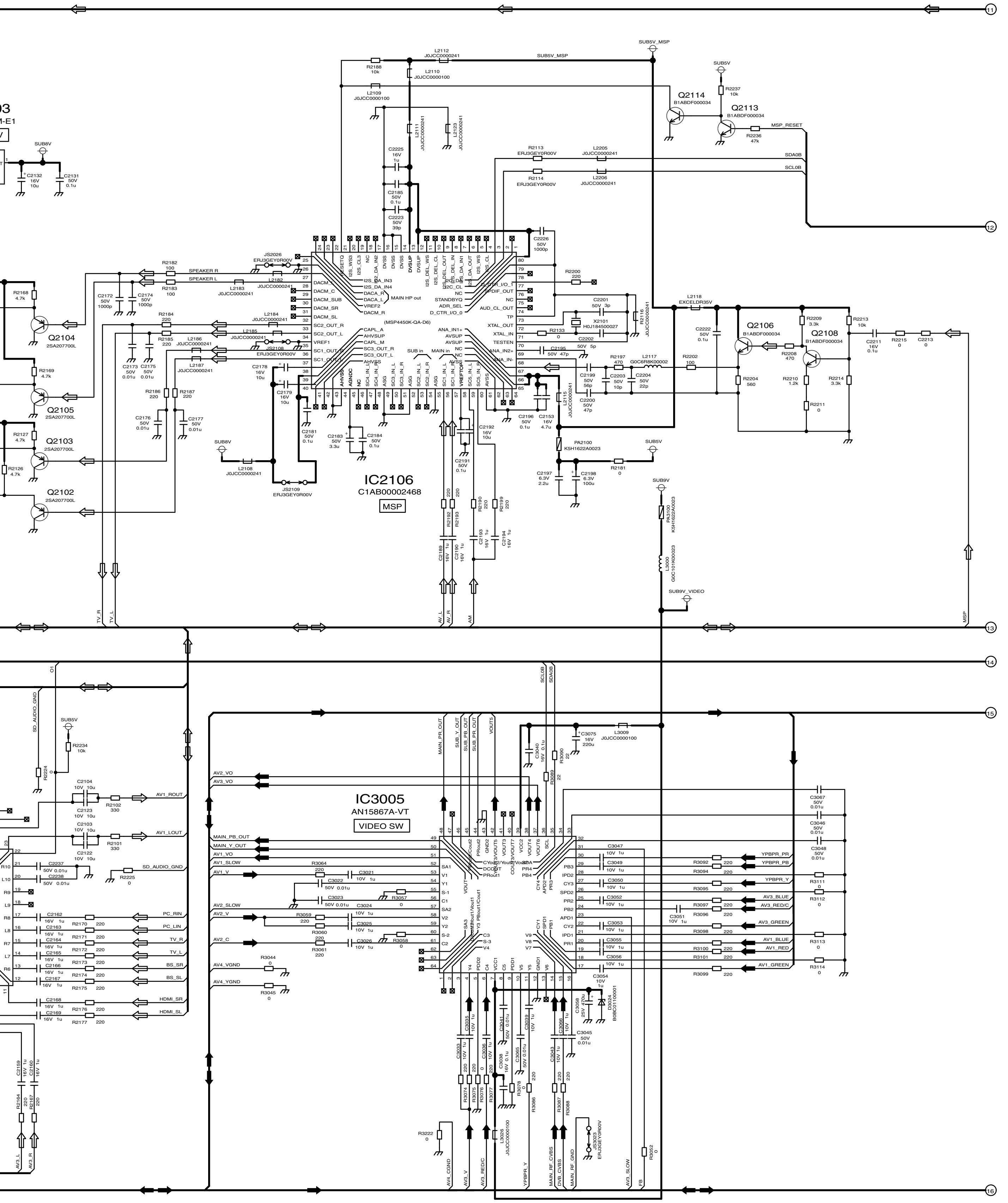
5 6 7 8 9

14.23. H-Board (2 of 3) Schematic Diagram


H-BOARD TNPA3759AC (2/3)
IC2103
AN77L08M-E1
AVR 8V
SUB9V
SUB8V
IN
OUT
COM
L2204
ERJ3GEY0R00V
IC2104
C0ABBA000168
VAO
GND
VCC
Q2104
2SA2077OOL
Q2105
2SA2077OOL
Q2103
2SA2077OOL
Q2102
2SA2077OOL
SR_GND
SR
SL_GND
SL
AUDIOOUT_R
AUDIOOUT_L
TV_R
MUTE CCT.
MUTE SW
MAIN9V
STB+5V
STB5V
RST
AUDIO_MUTE
SP_MUTE
AMUTE
Q2300
B1ABDF000034
Q2301
2SD0601ASL
Q2302
B1ABDF000034
Q2314
B1ABDF000034
Q2315
B1ABDF000034
Q2316
B1ABDF000034
Q2317
B1ABDF000034
D2300
MA2J11100L
D2301
MA2J11100L
D2303
MA2J11100L
D2304
MA2J11100L
IC2105
AN15862A-VT
AUDIO SW
SCL
SDA
O2
BIAS
SDA08
SCL08
O1
AV_R
AV_L
AV3_ROUT
AV3_LOUT
AV2_ROUT
AV2_LOUT
SD_AUDIO_GND
SUB5V
SUB9V_VIDEO
L2107
J0JCC0000110
D2119
B0BC01100001
AV1_L
AV1_R
AV2_L
AV2_R
AV3_L
AV3_R

TH-37/42PA60E, TH-37/42PD60B H-Board (2 of 3) Schematic Diagram

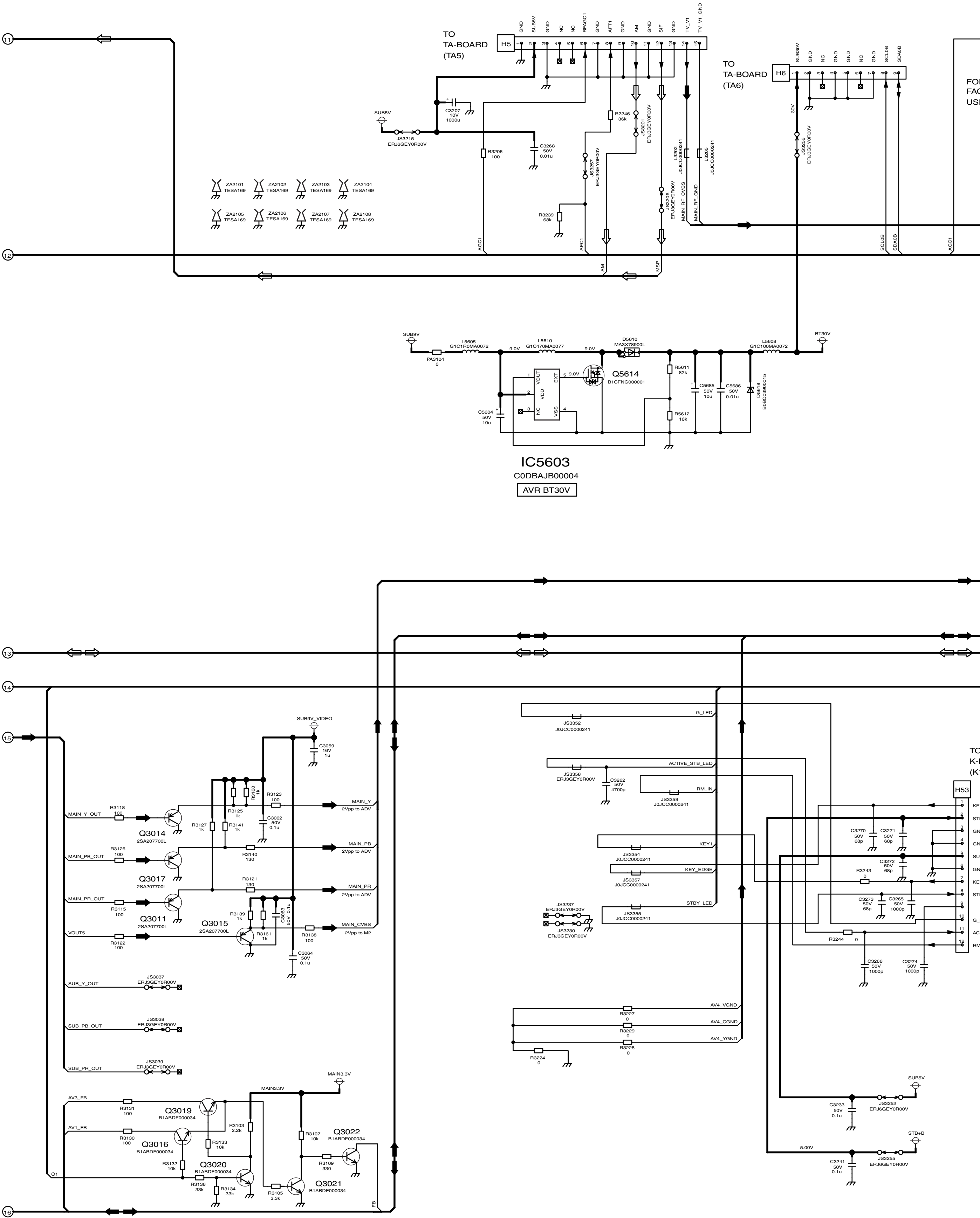
10 11 12 13 14


IC2106
C1AB00002468
MSP
(MSP4450K-QA-D6)
IC3005
AN15867A-VT
VIDEO SW
Q2114
B1ABDF000034
Q2113
B1ABDF000034
Q2106
B1ABDF000034
Q2108
B1ABDF000034
Q2104
2SA207700L
Q2105
2SA207700L
Q2103
2SA207700L
Q2102
2SA207700L
SUB5V_MSP
SUB5V
SUB8V
SUB9V
SUB9V_VIDEO
MSP_RESET
SDA0B
SCL0B
SPEAKER R
SPEAKER L
MAIN HP out
SUB in
MAIN in
X2101
H0J184500027
PA2100
K5H1622A0023
TV_R
TV_L
AV_L
AV_R
AM
MSP
SD_AUDIO_GND
AV1_ROUT
AV1_LOUT
PC_RIN
PC_LIN
TV_R
TV_L
BS_SR
BS_SL
HDMI_SR
HDMI_SL
AV2_VO
AV3_VO
MAIN_PB_OUT
MAIN_Y_OUT
AV1_VO
AV1_SLOW
AV1_V
AV2_SLOW
AV2_V
AV2_C
AV4_VGND
AV4_YGND
MAIN_PR_OUT
SUB_Y_OUT
SUB_PB_OUT
SUB_PR_OUT
VOUT5
SCL0B
SDA0B
YPBPR_PR
YPBPR_PB
YPBPR_Y
AV3_BLUE
AV3_RED/C
AV3_GREEN
AV1_BLUE
AV1_RED
AV1_GREEN
AV4_CGND
AV3_V
AV3_RED/C
YPBPR_Y
MAIN_RF_CVBS
DVB_CVBS
MAIN_RF_GND
AV3_SLOW
FB
AV3_L
AV3_R
11
12
13
14
15
16

TH-37/42PA60E, TH-37/42PD60B H-Board (2 of 3) Schematic Diagram

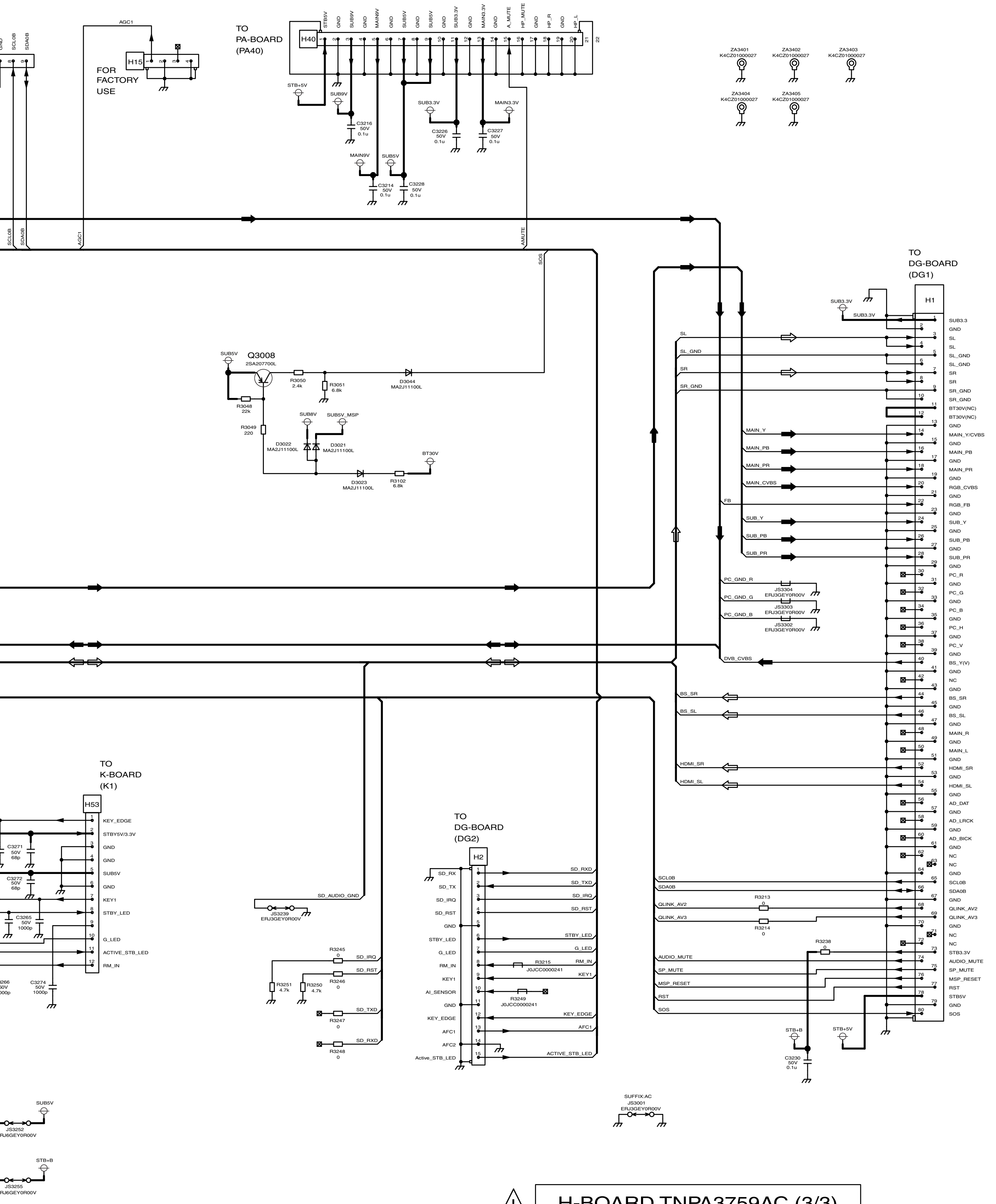
14	15	16	17	18

14.24. H-Board (3 of 3) Schematic Diagram


11
12
13
14
15
16
TO
TA-BOARD
(TA5)
H5
GND
SUB5V
GND
NC
NC
RFAGC1
GND
AFT1
GND
AM
GND
SIF
GND
TV_V1
TV_V1_GND
TO
TA-BOARD
(TA6)
H6
SUB30V
GND
NC
GND
GND
NC
GND
SCL0B
SDA0B
FO
FA
US
SUB5V
JS3215
ERJ6GEY0R00V
C3207
10V
1000u
R3206
100
C3268
50V
0.01u
R2246
36k
JS3201
ERJ3GEY0R00V
JS3257
ERJ3GEY0R00V
R3239
68k
L3202
J0JCC0000241
L3205
J0JCC0000241
JS3206
ERJ3GEY0R00V
MAIN_RF_CVBS
MAIN_RF_GND
30V
JS3256
ERJ3GEY0R00V
ZA2101
TESA169
ZA2102
TESA169
ZA2103
TESA169
ZA2104
TESA169
ZA2105
TESA169
ZA2106
TESA169
ZA2107
TESA169
ZA2108
TESA169
AGC1
AFC1
AM
MSP
SCL0B
SDA0B
AGC1
SUB9V
PA3104
0
L5605
G1C1R0MA0072
9.0V
L5610
G1C470MA0077
9.0V
D5610
MA3X78900L
L5608
G1C100MA0072
BT30V
VOUT
EXT
VDD
NC
VSS
9.0V
Q5614
B1CFNG000001
R5611
82k
C5685
50V
10u
C5686
50V
0.01u
D5618
B0BC03900015
C5604
50V
10u
R5612
16k
IC5603
C0DBAJB00004
AVR BT30V
SUB9V_VIDEO
C3059
16V
1u
R3160
1k
R3123
100
MAIN_Y
2Vpp to ADV
R3118
100
MAIN_Y_OUT
Q3014
2SA2077O0L
R3127
1k
R3125
1k
R3141
1k
C3062
50V
0.1u
R3126
100
MAIN_PB_OUT
R3140
130
MAIN_PB
2Vpp to ADV
Q3017
2SA2077O0L
R3121
130
MAIN_PR
2Vpp to ADV
MAIN_PR_OUT
R3115
100
Q3011
2SA2077O0L
R3139
1k
C3063
50V
0.1u
Q3015
2SA2077O0L
R3161
1k
R3138
100
MAIN_CVBS
2Vpp to M2
VOUT5
R3122
100
C3064
50V
0.1u
SUB_Y_OUT
JS3037
ERJ3GEY0R00V
SUB_PB_OUT
JS3038
ERJ3GEY0R00V
SUB_PR_OUT
JS3039
ERJ3GEY0R00V
MAIN3.3V
MAIN3.3V
AV3_FB
R3131
100
Q3019
B1ABDF000034
AV1_FB
R3130
100
Q3016
B1ABDF000034
R3103
2.2k
R3133
10k
R3107
10k
Q3022
B1ABDF000034
O1
R3132
10k
Q3020
B1ABDF000034
R3109
330
R3136
33k
R3134
33k
R3105
3.3k
Q3021
B1ABDF000034
FB
FB_SW/1
G_LED
JS3352
J0JCC0000241
ACTIVE_STB_LED
JS3358
ERJ3GEY0R00V
C3262
50V
4700p
RM_IN
JS3359
J0JCC0000241
KEY1
JS3354
J0JCC0000241
KEY_EDGE
JS3357
J0JCC0000241
JS3237
ERJ3GEY0R00V
STBY_LED
JS3355
J0JCC0000241
JS3230
ERJ3GEY0R00V
TO
K-
(K
H53
C3270
50V
68p
C3271
50V
68p
C3272
50V
68p
R3243
0
C3273
50V
68p
C3265
50V
1000p
R3244
0
C3266
50V
1000p
C3274
50V
1000p
KE
ST
GN
GN
SU
GN
KE
ST
G_
AC
RM
AV4_VGND
R3227
0
AV4_CGND
R3229
0
AV4_YGND
R3228
0
R3224
0
SUB5V
C3233
50V
0.1u
JS3252
ERJ6GEY0R00V
STB+B
5.00V
C3241
50V
0.1u
JS3255
ERJ6GEY0R00V

TH-37/42PA60E, TH-37/42PD60B H-Board (3 of 3) Schematic Diagram

19
20
21
22
23

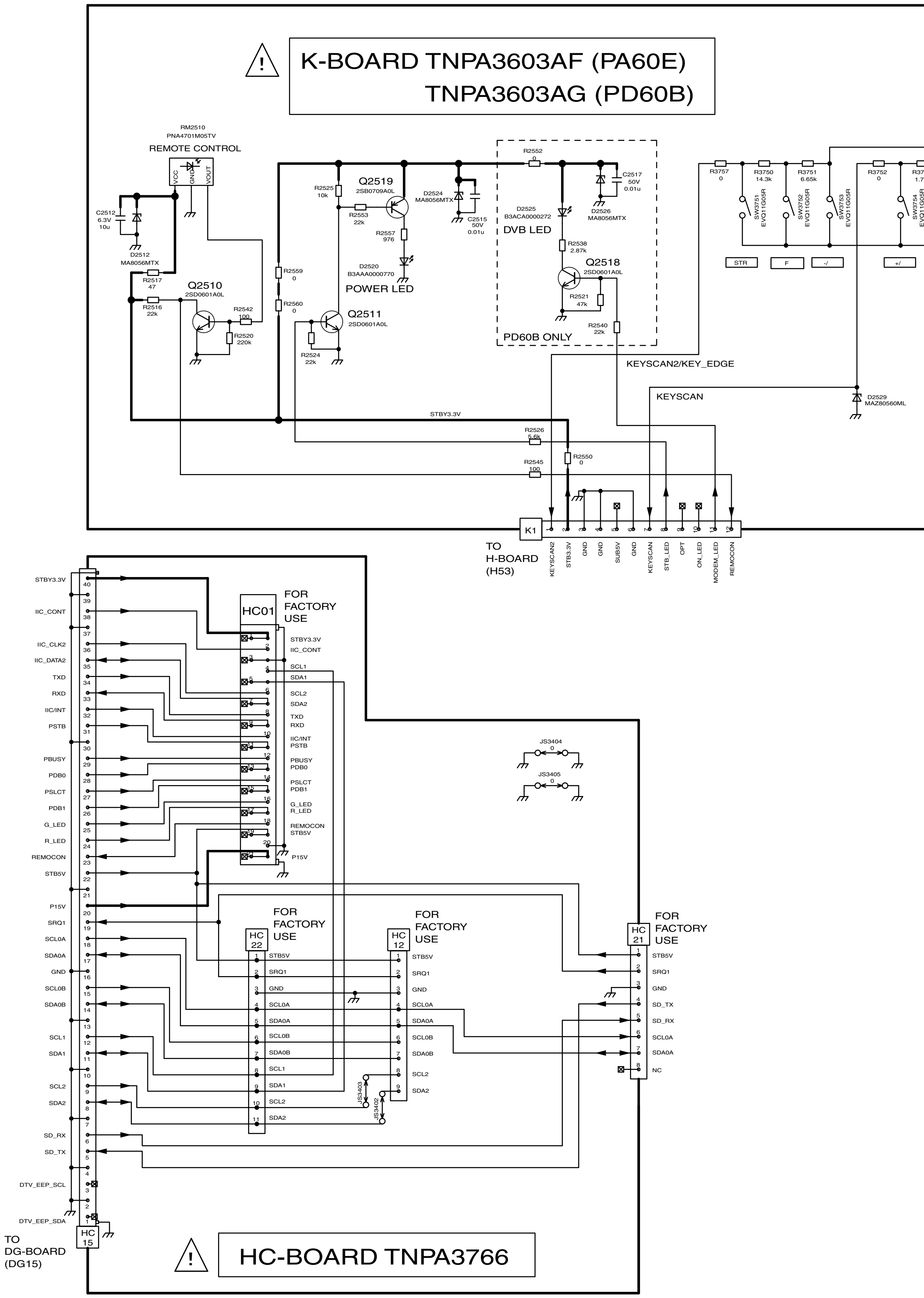

TO
PA-BOARD
(PA40)
H40
STB5V
GND
SUB9V
MAIN9V
SUB5V
SUB3.3V
MAIN3.3V
A_MUTE
HP_MUTE
HP_R
HP_L
STB+5V
C3216 50V 0.1u
C3226 50V 0.1u
C3227 50V 0.1u
C3214 50V 0.1u
C3228 50V 0.1u
FOR
FACTORY
USE
H15
AGC1
SCL0B
SDA0B
AMUTE
SOS
ZA3401 K4CZ01000027
ZA3402 K4CZ01000027
ZA3403 K4CZ01000027
ZA3404 K4CZ01000027
ZA3405 K4CZ01000027
Q3008
2SA207700L
R3050 2.4k
R3051 6.8k
D3044 MA2J11100L
R3048 22k
R3049 220
SUB8V
SUB5V_MSP
D3022 MA2J11100L
D3021 MA2J11100L
BT30V
D3023 MA2J11100L
R3102 6.8k
TO
DG-BOARD
(DG1)
H1
SUB3.3
SL
SL_GND
SR
SR_GND
BT30V(NC)
MAIN_Y/CVBS
MAIN_PB
MAIN_PR
RGB_CVBS
RGB_FB
SUB_Y
SUB_PB
SUB_PR
PC_R
PC_G
PC_B
PC_H
PC_V
BS_Y(V)
NC
BS_SR
BS_SL
MAIN_R
MAIN_L
HDMI_SR
HDMI_SL
AD_DAT
AD_LRCK
AD_BICK
SCL0B
SDA0B
QLINK_AV2
QLINK_AV3
STB3.3V
AUDIO_MUTE
SP_MUTE
MSP_RESET
RST
STB5V
GND
SOS
MAIN_CVBS
FB
DVB_CVBS
PC_GND_R
PC_GND_G
PC_GND_B
JS3304 ERJ3GEY0R00V
JS3303 ERJ3GEY0R00V
JS3302 ERJ3GEY0R00V
R3213 0
R3214 0
R3238 0
STB+B
STB+5V
C3230 50V 0.1u
TO
K-BOARD
(K1)
H53
KEY_EDGE
STBY5V/3.3V
SUB5V
KEY1
STBY_LED
G_LED
ACTIVE_STB_LED
RM_IN
C3271 50V 68p
C3272 50V 68p
C3265 50V 1000p
C3274 50V 1000p
SD_AUDIO_GND
JS3239 ERJ3GEY0R00V
R3245 0
R3246 0
R3247 0
R3248 0
R3251 4.7k
R3250 4.7k
SD_IRQ
SD_RST
SD_TXD
SD_RXD
TO
DG-BOARD
(DG2)
H2
SD_RX
SD_TX
AI_SENSOR
KEY_EDGE
AFC1
AFC2
Active_STB_LED
R3215 J0JCC0000241
R3249 J0JCC0000241
SUFFIX:AC
JS3001
ERJ3GEY0R00V
JS3252
JS3255

H-BOARD TNPA3759AC (3/3)

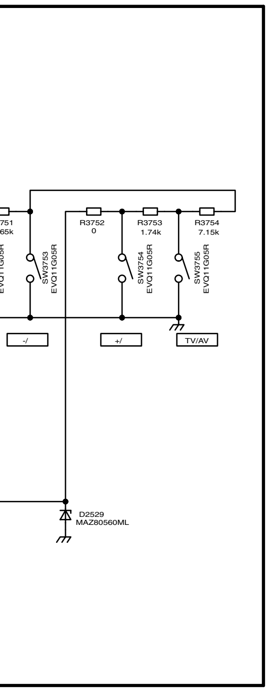
TH-37/42PA60E, TH-37/42PD60B
H-Board (3 of 3) Schematic Diagram

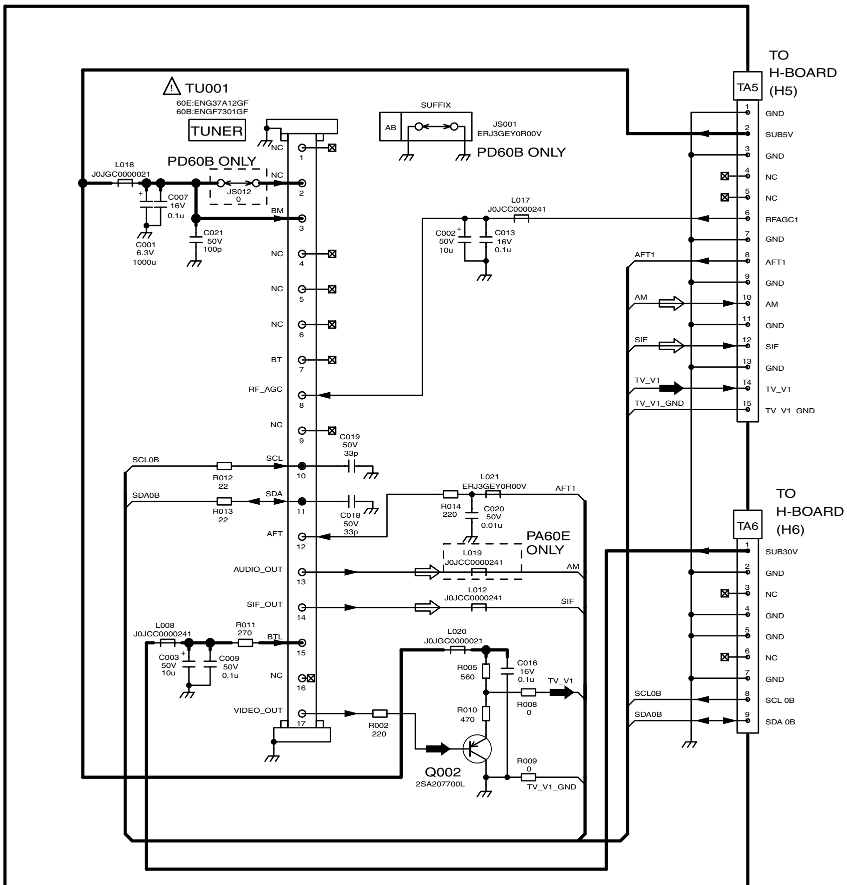
23 24 25 26 27

14.25. HC, K and TA-Board Schematic Diagram


A
B
C
D
E
1
2
3
4
K-BOARD TNPA3603AF (PA60E)
TNPA3603AG (PD60B)
RM2510
PNA4701M05TV
REMOTE CONTROL
VCC
GND
VOUT
C2512
6.3V
10u
D2512
MA8056MTX
R2517
47
R2516
22k
Q2510
2SD0601A0L
R2542
100
R2520
220k
R2559
0
R2560
0
R2525
10k
Q2519
2SB0709A0L
R2553
22k
R2557
976
D2520
B3AAA0000770
POWER LED
Q2511
2SD0601A0L
R2524
22k
D2524
MA8056MTX
C2515
50V
0.01u
R2552
0
C2517
50V
0.01u
D2525
B3ACA0000272
DVB LED
D2526
MA8056MTX
R2538
2.87k
Q2518
2SD0601A0L
R2521
47k
R2540
22k
PD60B ONLY
R3757
0
R3750
14.3k
R3751
6.65k
R3752
0
SW3751
EVQ11G05R
SW3752
EVQ11G05R
SW3753
EVQ11G05R
SW3754
EVQ11G05R
STR
F
-/
+/
KEYSCAN2/KEY_EDGE
KEYSCAN
D2529
MAZ80560ML
STBY3.3V
R2526
5.6k
R2550
0
R2545
100
K1
KEYSCAN2
STB3.3V
GND
GND
SUB5V
GND
KEYSCAN
STB_LED
OPT
ON_LED
MODEM_LED
REMOCON
TO
H-BOARD
(H53)
HC01
FOR
FACTORY
USE
STBY3.3V
IIC_CONT
SCL1
SDA1
SCL2
SDA2
TXD
RXD
IIC/INT
PSTB
PBUSY
PDB0
PSLCT
PDB1
G_LED
R_LED
REMOCON
STB5V
P15V
JS3404
0
JS3405
0
STBY3.3V
IIC_CONT
IIC_CLK2
IIC_DATA2
TXD
RXD
IIC/INT
PSTB
PBUSY
PDB0
PSLCT
PDB1
G_LED
R_LED
REMOCON
STB5V
P15V
SRQ1
SCL0A
SDA0A
GND
SCL0B
SDA0B
SCL1
SDA1
SCL2
SDA2
SD_RX
SD_TX
DTV_EEP_SCL
DTV_EEP_SDA
HC
15
TO
DG-BOARD
(DG15)
HC
22
FOR
FACTORY
USE
STB5V
SRQ1
GND
SCL0A
SDA0A
SCL0B
SDA0B
SCL1
SDA1
SCL2
SDA2
HC
12
FOR
FACTORY
USE
STB5V
SRQ1
GND
SCL0A
SDA0A
SCL0B
SDA0B
SCL2
SDA2
JS3403
JS3402
HC
21
FOR
FACTORY
USE
STB5V
SRQ1
GND
SD_TX
SD_RX
SCL0A
SDA0A
NC
HC-BOARD TNPA3766

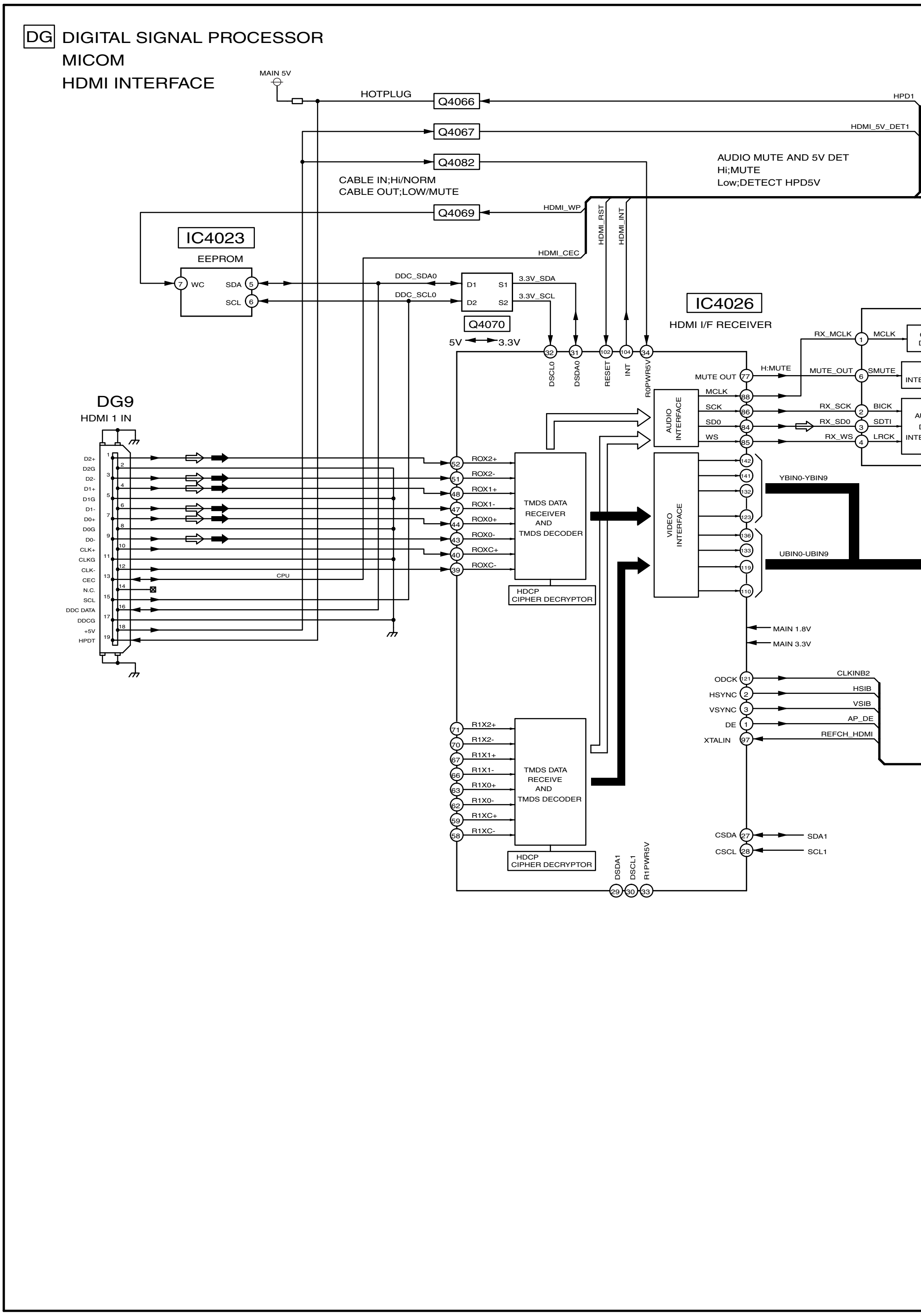
TH-37/42PA60E, TH-37/42PD60B
HC, K and TA-Board Schematic Diagram

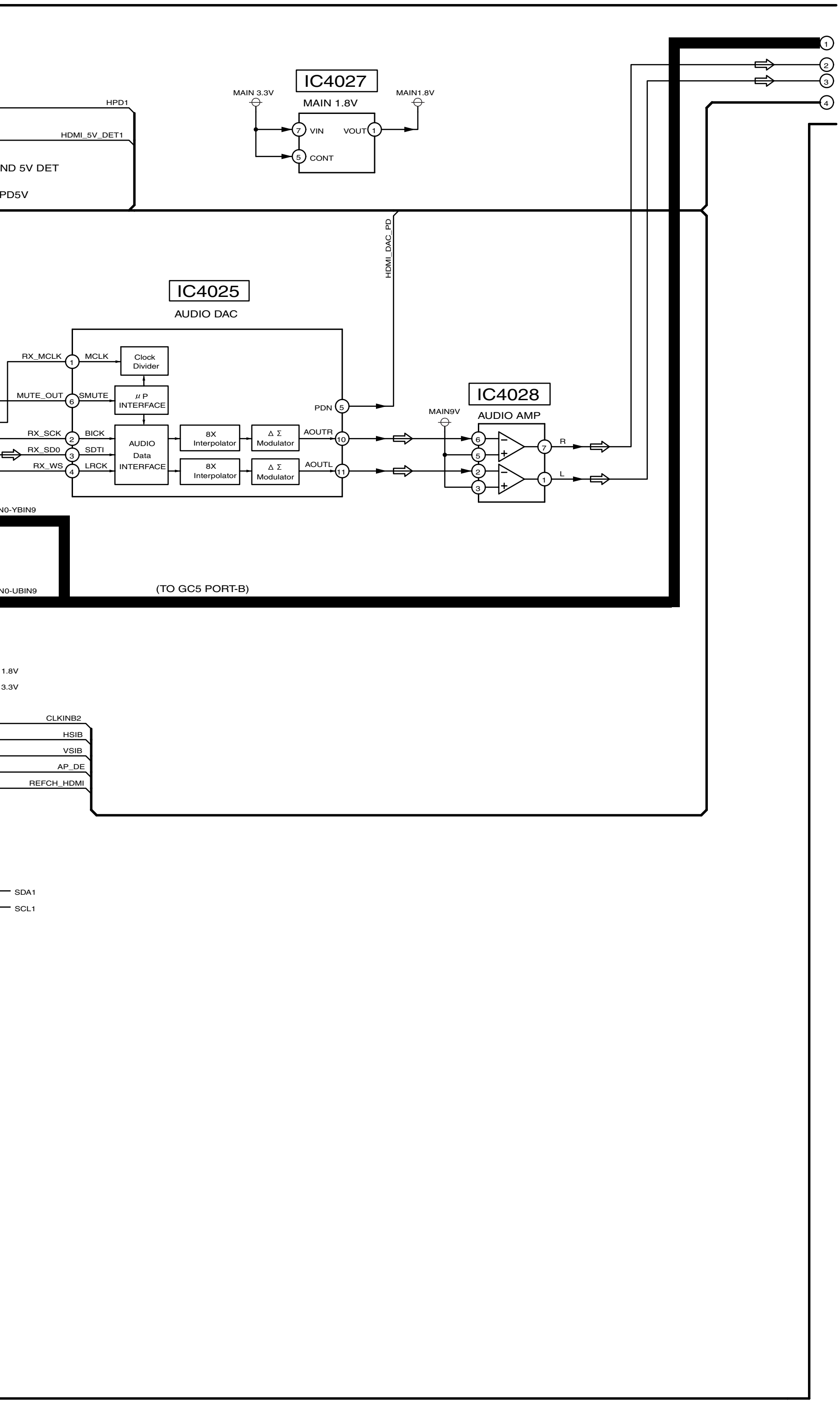

R3751
.65k
R3752
0
R3753
1.74k
R3754
7.15k
SW3753
EVQ11G05R
SW3754
EVQ11G05R
SW3755
EVQ11G05R
-/
+/
TV/AV
D2529
MAZ80560ML


TU001
60E:ENG37A12GF
60B:ENGF7301GF
TUNER
PD60B ONLY
SUFFIX
AB
JS001
ERJ3GEY0R00V
PD60B ONLY
L018
J0JGC0000021
C007
16V
0.1u
C001
6.3V
1000u
JS012
0
C021
50V
100p
NC
BM
BT
RF_AGC
SCL
SDA
AFT
AUDIO_OUT
SIF_OUT
BTL
VIDEO_OUT
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
L017
J0JCC0000241
C002
50V
10u
C013
16V
0.1u
C019
50V
33p
C018
50V
33p
SCL0B
SDA0B
R012
22
R013
22
L021
ERJ3GEY0R00V
AFT1
R014
220
C020
50V
0.01u
PA60E
ONLY
L019
J0JCC0000241
AM
L012
J0JCC0000241
SIF
L008
J0JCC0000241
R011
270
C003
50V
10u
C009
50V
0.1u
L020
J0JGC0000021
R005
560
C016
16V
0.1u
TV_V1
R008
0
R010
470
R002
220
Q002
2SA207700L
R009
0
TV_V1_GND
TO
H-BOARD
TA5
(H5)
GND
SUB5V
GND
NC
NC
RFAGC1
GND
AFT1
GND
AM
GND
SIF
GND
TV_V1
TV_V1_GND
TO
H-BOARD
TA6
(H6)
SUB30V
GND
NC
GND
GND
NC
GND
SCL 0B
SDA 0B

⚠ TA-BOARD TNPA3767 (PD60E)
TNPA3767AB (PA60B)

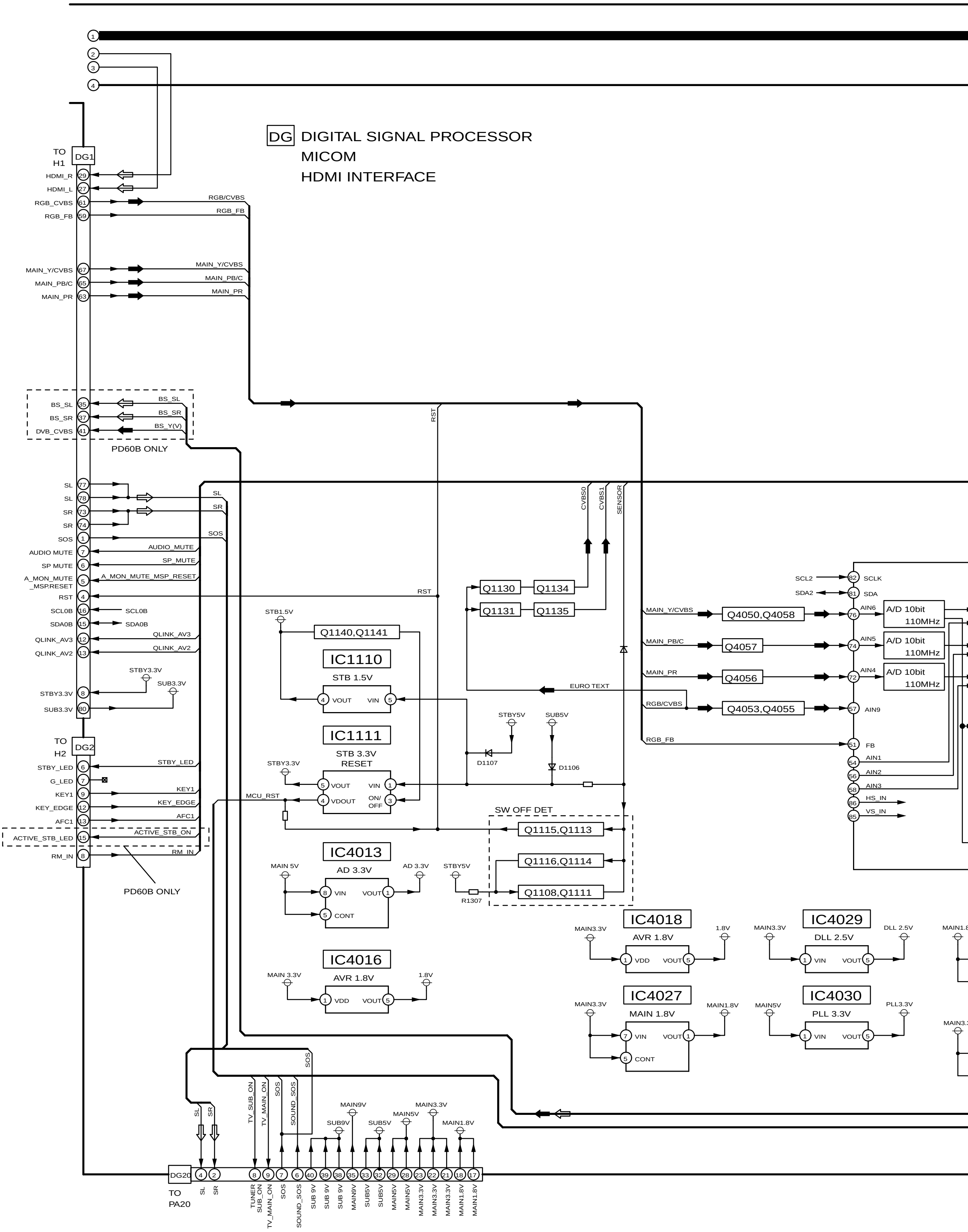
14.26. DG-Board (1 of 3) Block Diagram


DG
DIGITAL SIGNAL PROCESSOR
MICOM
HDMI INTERFACE
MAIN 5V
HOTPLUG
Q4066
HPD1
Q4067
HDMI_5V_DET1
Q4082
AUDIO MUTE AND 5V DET
Hi;MUTE
Low;DETECT HPD5V
CABLE IN;Hi/NORM
CABLE OUT;LOW/MUTE
Q4069
HDMI_WP
HDMI_RST
HDMI_INT
IC4023
EEPROM
HDMI_CEC
WC
SDA
SCL
DDC_SDA0
DDC_SCL0
D1
S1
D2
S2
3.3V_SDA
3.3V_SCL
Q4070
5V
3.3V
IC4026
HDMI I/F RECEIVER
DSCL0
DSDA0
RESET
INT
R0PWR5V
RX_MCLK
MCLK
H:MUTE
MUTE OUT
MUTE_OUT
SMUTE
MCLK
SCK
SD0
WS
AUDIO INTERFACE
RX_SCK
BICK
RX_SD0
SDTI
RX_WS
LRCK
DG9
HDMI 1 IN
D2+
D2G
D2-
D1+
D1G
D1-
D0+
D0G
D0-
CLK+
CLKG
CLK-
CEC
N.C.
SCL
DDC DATA
DDCG
+5V
HPDT
CPU
ROX2+
ROX2-
ROX1+
ROX1-
ROX0+
ROX0-
ROXC+
ROXC-
TMDS DATA RECEIVER AND TMDS DECODER
HDCP CIPHER DECRYPTOR
VIDEO INTERFACE
YBIN0-YBIN9
UBIN0-UBIN9
MAIN 1.8V
MAIN 3.3V
ODCK
HSYNC
VSYNC
DE
XTALIN
CLKINB2
HSIB
VSIB
AP_DE
REFCH_HDMI
R1X2+
R1X2-
R1X1+
R1X1-
R1X0+
R1X0-
R1XC+
R1XC-
TMDS DATA RECEIVE AND TMDS DECODER
HDCP CIPHER DECRYPTOR
CSDA
CSCL
SDA1
SCL1
DSDA1
DSCL1
R1PWR5V

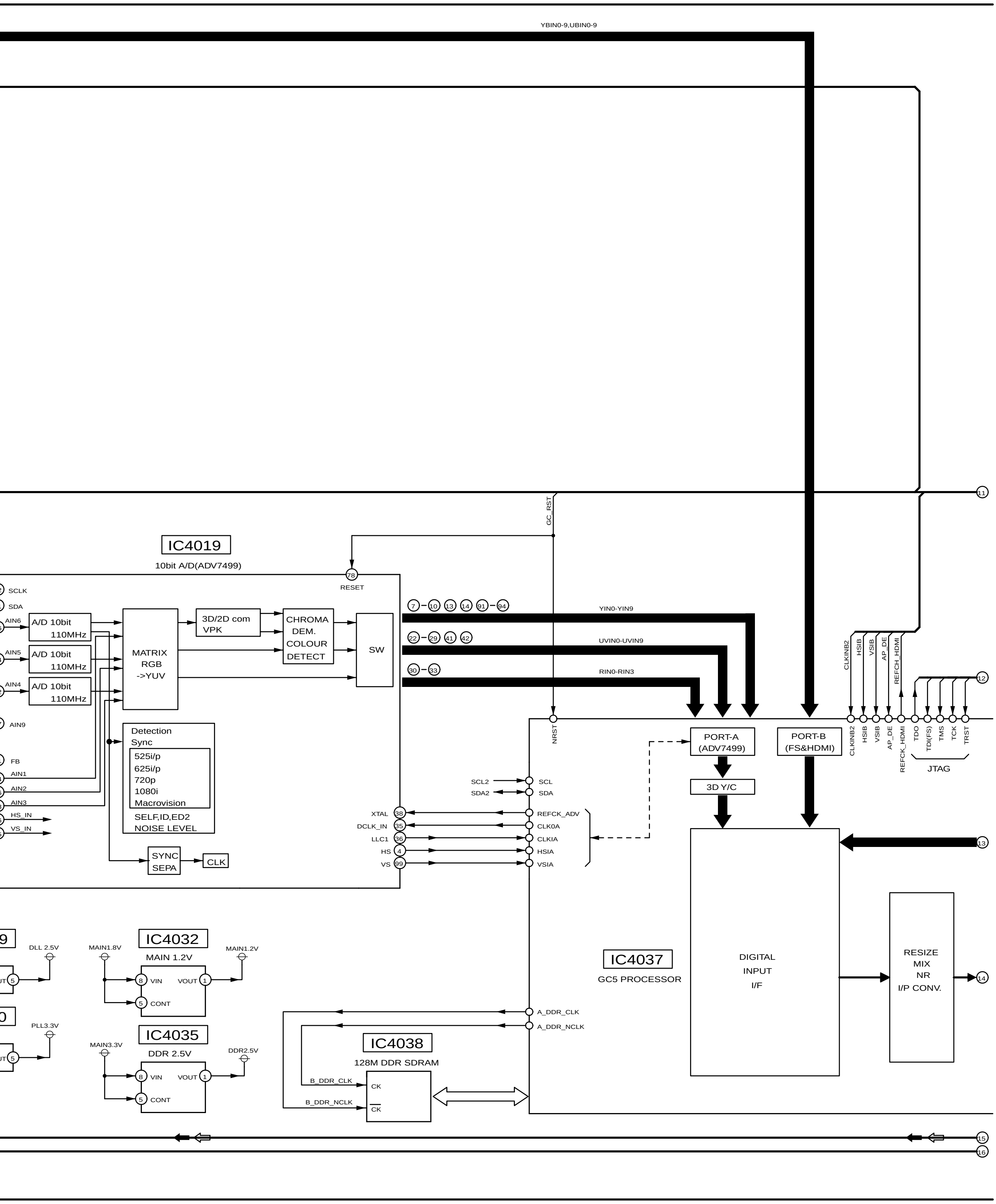

IC4027
MAIN 1.8V
MAIN 3.3V
MAIN1.8V
7 VIN
VOUT 1
5 CONT
HPD1
HDMI_5V_DET1
ND 5V DET
PD5V
HDMI_DAC_PD
IC4025
AUDIO DAC
RX_MCLK
MCLK
Clock Divider
MUTE_OUT
SMUTE
μ P INTERFACE
PDN
RX_SCK
BICK
RX_SD0
SDTI
RX_WS
LRCK
AUDIO Data INTERFACE
8X Interpolator
Δ Σ Modulator
AOUTR
AOUTL
IC4028
AUDIO AMP
MAIN9V
R
L
1
2
3
4
N0-YBIN9
N0-UBIN9
(TO GC5 PORT-B)
1.8V
3.3V
CLKINB2
HSIB
VSIB
AP_DE
REFCH_HDMI
SDA1
SCL1

TH-37/42PA60E, TH-37/42PD60B
DG-Board (1 of 3) Block Diagram

14.27. DG-Board (2 of 3) Block Diagram

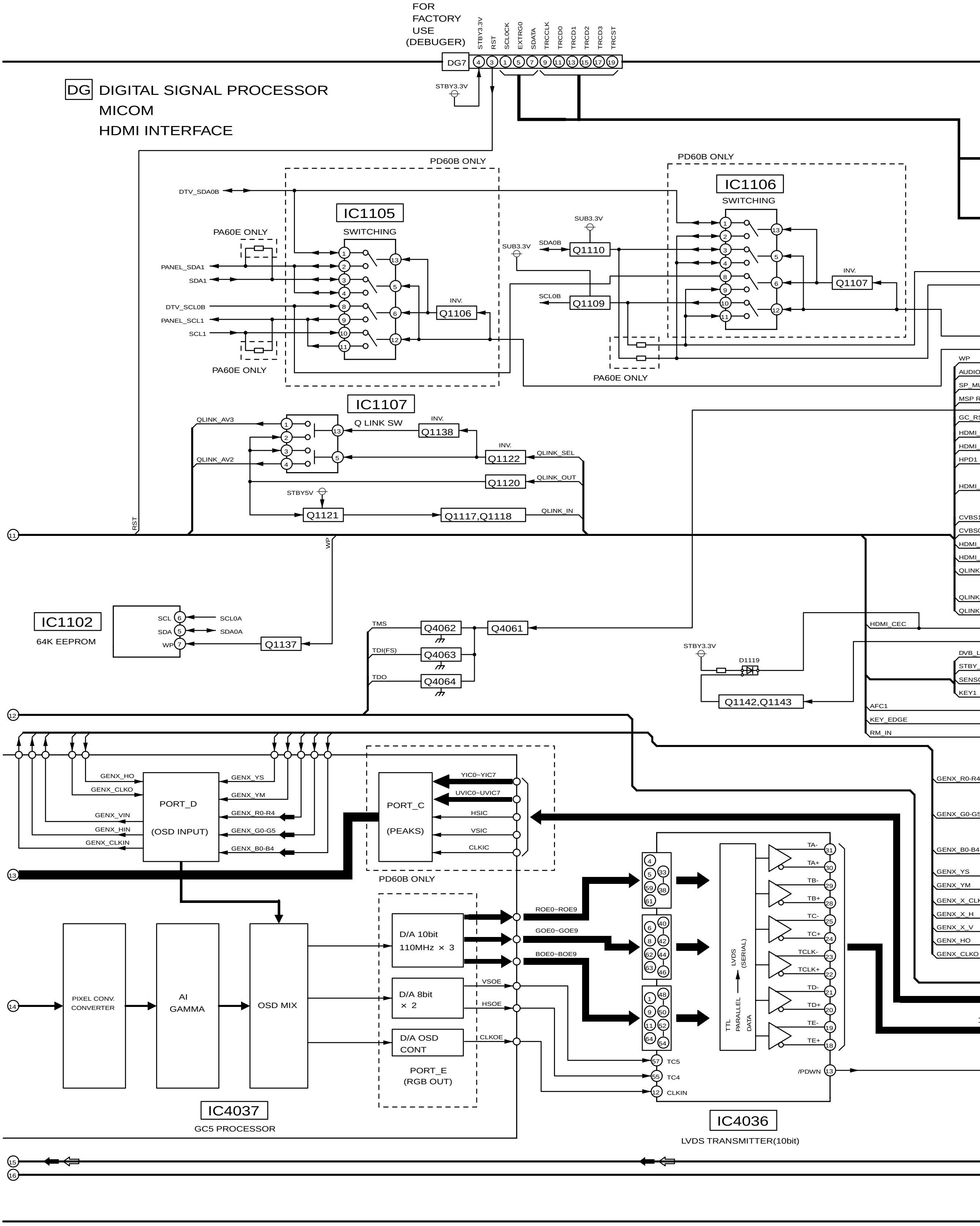

DG
DIGITAL SIGNAL PROCESSOR
MICOM
HDMI INTERFACE
TO H1
DG1
HDMI_R 29
HDMI_L 27
RGB_CVBS 61
RGB_FB 59
RGB/CVBS
RGB_FB
MAIN_Y/CVBS 67
MAIN_PB/C 65
MAIN_PR 63
BS_SL 35
BS_SR 37
DVB_CVBS 41
BS_Y(V)
PD60B ONLY
SL 77
SL 78
SR 73
SR 74
SOS 1
AUDIO MUTE 7
SP MUTE 6
A_MON_MUTE _MSP.RESET 5
A_MON_MUTE_MSP_RESET
RST 4
SCL0B 16
SDA0B 15
QLINK_AV3 12
QLINK_AV2 13
STBY3.3V 8
SUB3.3V 80
TO H2
DG2
STBY_LED 6
G_LED 7
KEY1 9
KEY_EDGE 12
AFC1 13
ACTIVE_STB_LED 15
ACTIVE_STB_ON
RM_IN 8
PD60B ONLY
RST
CVBS0
CVBS1
SENSOR
Q1130
Q1134
Q1131
Q1135
STB1.5V
Q1140,Q1141
IC1110
STB 1.5V
VOUT
VIN
IC1111
STB 3.3V RESET
STBY3.3V
VDOUT
ON/OFF
MCU_RST
EURO TEXT
STBY5V
SUB5V
D1107
D1106
SW OFF DET
Q1115,Q1113
Q1116,Q1114
Q1108,Q1111
R1307
IC4013
AD 3.3V
MAIN 5V
CONT
IC4016
AVR 1.8V
MAIN 3.3V
1.8V
VDD
MAIN_Y/CVBS
Q4050,Q4058
MAIN_PB/C
Q4057
MAIN_PR
Q4056
RGB/CVBS
Q4053,Q4055
RGB_FB
SCL2
SDA2
SCLK
SDA
AIN6
AIN5
AIN4
AIN9
FB
AIN1
AIN2
AIN3
HS_IN
VS_IN
A/D 10bit 110MHz
IC4018
AVR 1.8V
MAIN3.3V
IC4029
DLL 2.5V
DLL 2.5V
IC4027
MAIN 1.8V
MAIN1.8V
IC4030
PLL 3.3V
MAIN5V
PLL3.3V
SOS
TV_SUB_ON
TV_MAIN_ON
SOUND_SOS
MAIN9V
MAIN3.3V
MAIN5V
SUB9V
SUB5V
MAIN1.8V
DG20
TO PA20
SL
SR
TUNER SUB_ON
TV_MAIN_ON
SOS
SOUND_SOS
SUB 9V
SUB 9V
SUB 9V
MAIN9V
SUB5V
SUB5V
MAIN5V
MAIN5V
MAIN3.3V
MAIN3.3V
MAIN3.3V
MAIN3.3V
MAIN1.8V
MAIN1.8V

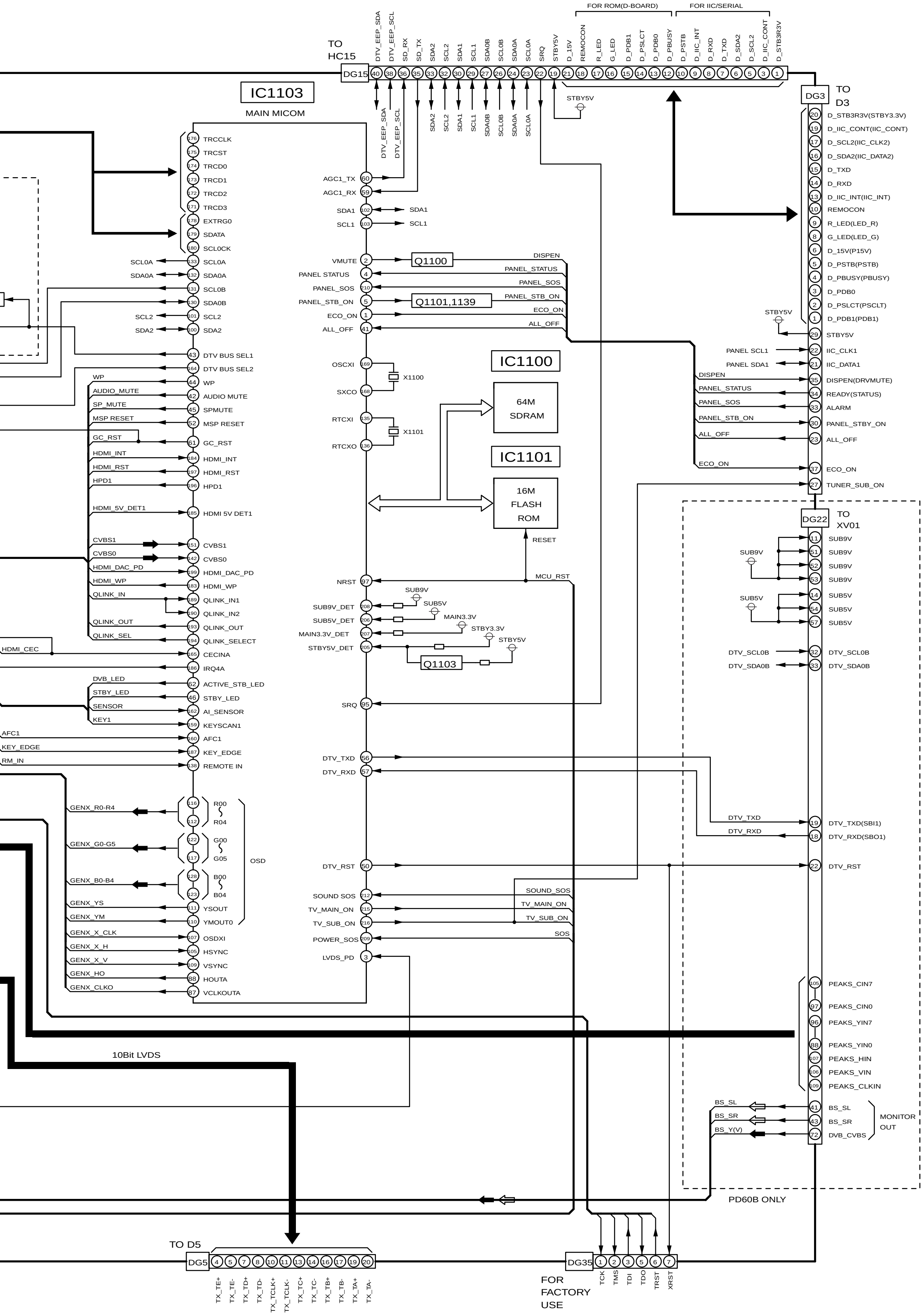
TH-37/42PA60E, TH-37/42PD60B
DG-Board Block (2 of 3) Diagram


YBIN0-9,UBIN0-9
GC_RST
IC4019
10bit A/D(ADV7499)
78
RESET
SCLK
SDA
AIN6
A/D 10bit
110MHz
AIN5
A/D 10bit
110MHz
AIN4
A/D 10bit
110MHz
AIN9
MATRIX
RGB
->YUV
3D/2D com
VPK
CHROMA
DEM.
COLOUR
DETECT
SW
Detection
Sync
525i/p
625i/p
720p
1080i
Macrovision
SELF,ID,ED2
NOISE LEVEL
FB
AIN1
AIN2
AIN3
HS_IN
VS_IN
SYNC
SEPA
CLK
7 10 13 14 91 94
YIN0-YIN9
22 29 41 42
UVIN0-UVIN9
30 33
RIN0-RIN3
XTAL 38
DCLK_IN 35
LLC1 36
HS 4
VS 99
SCL2
SDA2
SCL
SDA
REFCK_ADV
CLK0A
CLKIA
HSIA
VSIA
NRST
PORT-A
(ADV7499)
PORT-B
(FS&HDMI)
3D Y/C
CLKINB2
HSIB
VSIB
AP_DE
REFCH_HDMI
CLKINB2
HSIB
VSIB
AP_DE
REFCK_HDMI
TDO
TDI(FS)
TMS
TCK
TRST
JTAG
11
12
13
14
15
16
IC4037
GC5 PROCESSOR
DIGITAL
INPUT
I/F
RESIZE
MIX
NR
I/P CONV.
A_DDR_CLK
A_DDR_NCLK
IC4038
128M DDR SDRAM
B_DDR_CLK
B_DDR_NCLK
CK
CK
9
DLL 2.5V
UT 5
0
PLL3.3V
UT 5
IC4032
MAIN 1.2V
MAIN1.8V
MAIN1.2V
8 VIN
VOUT 1
5 CONT
IC4035
DDR 2.5V
MAIN3.3V
DDR2.5V
8 VIN
VOUT 1
5 CONT

TH-37/42PA60E, TH-37/42PD60B
DG-Board (2 of 3) Block Diagram

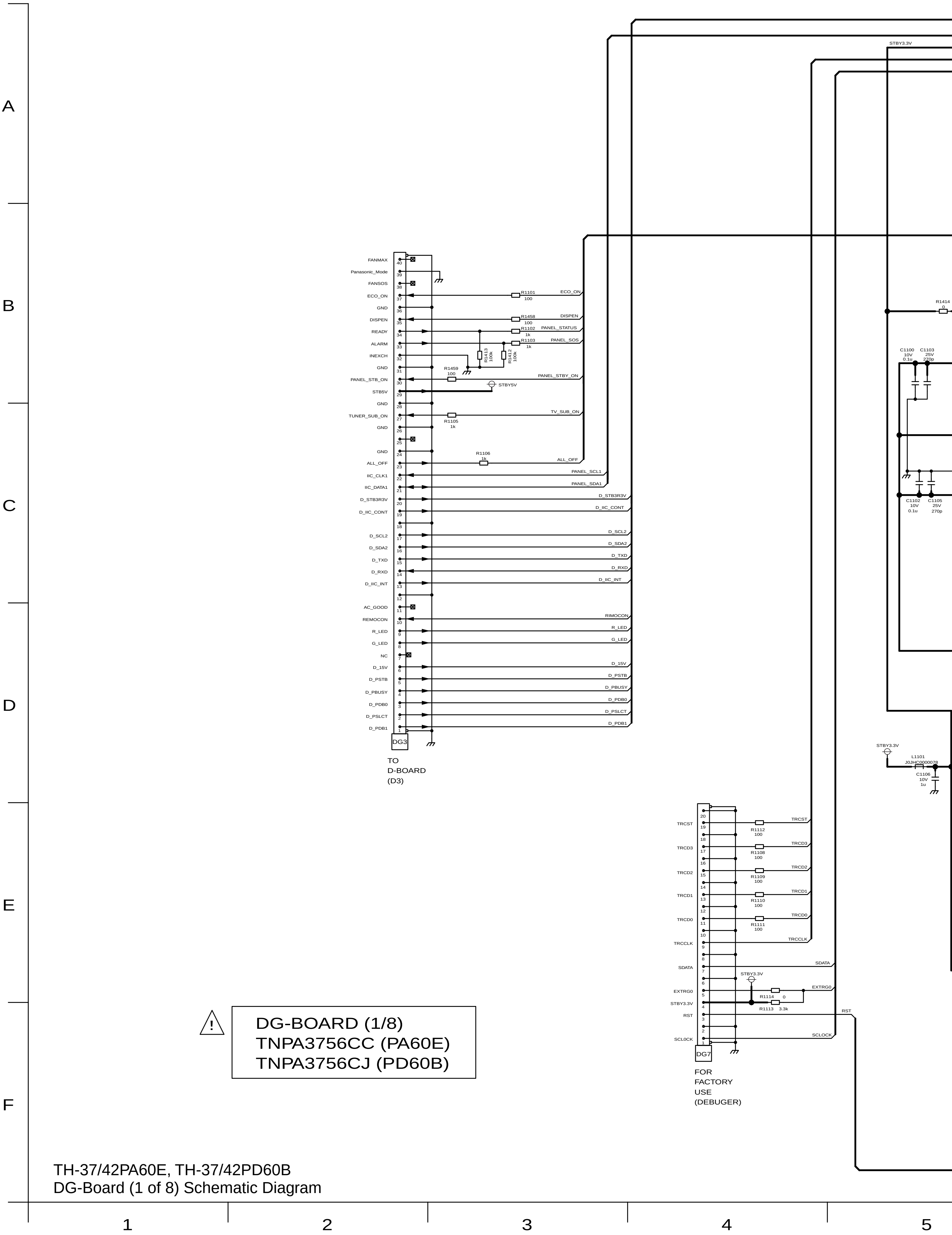
14.28. DG-Board (3 of 3) Block Diagram


FOR
FACTORY
USE
(DEBUGER)
DG7
STBY3.3V
RST
SCL0CK
EXTRG0
SDATA
TRCCLK
TRCD0
TRCD1
TRCD2
TRCD3
TRCST
DG
DIGITAL SIGNAL PROCESSOR
MICOM
HDMI INTERFACE
PD60B ONLY
IC1105
SWITCHING
PA60E ONLY
DTV_SDA0B
PANEL_SDA1
SDA1
DTV_SCL0B
PANEL_SCL1
SCL1
INV.
Q1106
SUB3.3V
SDA0B
Q1110
SCL0B
Q1109
IC1106
SWITCHING
Q1107
PA60E ONLY
IC1107
Q LINK SW
QLINK_AV3
QLINK_AV2
Q1138
Q1122
QLINK_SEL
Q1120
QLINK_OUT
STBY5V
Q1121
Q1117,Q1118
QLINK_IN
RST
WP
IC1102
64K EEPROM
SCL
SDA
WP
SCL0A
SDA0A
Q1137
TMS
TDI(FS)
TDO
Q4062
Q4063
Q4064
Q4061
STBY3.3V
D1119
Q1142,Q1143
HDMI_CEC
AFC1
KEY_EDGE
RM_IN
WP
AUDIO
SP_MU
MSP R
GC_RS
HDMI_
HDMI_
HPD1
HDMI_
CVBS1
CVBS0
HDMI_
HDMI_
QLINK
QLINK
QLINK
DVB_L
STBY_
SENSO
KEY1
GENX_HO
GENX_CLKO
GENX_VIN
GENX_HIN
GENX_CLKIN
PORT_D
(OSD INPUT)
GENX_YS
GENX_YM
GENX_R0-R4
GENX_G0-G5
GENX_B0-B4
PORT_C
(PEAKS)
YIC0~YIC7
UVIC0~UVIC7
HSIC
VSIC
CLKIC
PD60B ONLY
PIXEL CONV. CONVERTER
AI GAMMA
OSD MIX
D/A 10bit 110MHz × 3
D/A 8bit × 2
D/A OSD CONT
PORT_E
(RGB OUT)
ROE0~ROE9
GOE0~GOE9
BOE0~BOE9
VSOE
HSOE
CLKOE
IC4037
GC5 PROCESSOR
TC5
TC4
CLKIN
TTL PARALLEL DATA
LVDS (SERIAL)
TA-
TA+
TB-
TB+
TC-
TC+
TCLK-
TCLK+
TD-
TD+
TE-
TE+
/PDWN
IC4036
LVDS TRANSMITTER(10bit)
GENX_R0-R4
GENX_G0-G5
GENX_B0-B4
GENX_YS
GENX_YM
GENX_X_CLK
GENX_X_H
GENX_X_V
GENX_HO
GENX_CLKO
11
12
13
14
15
16

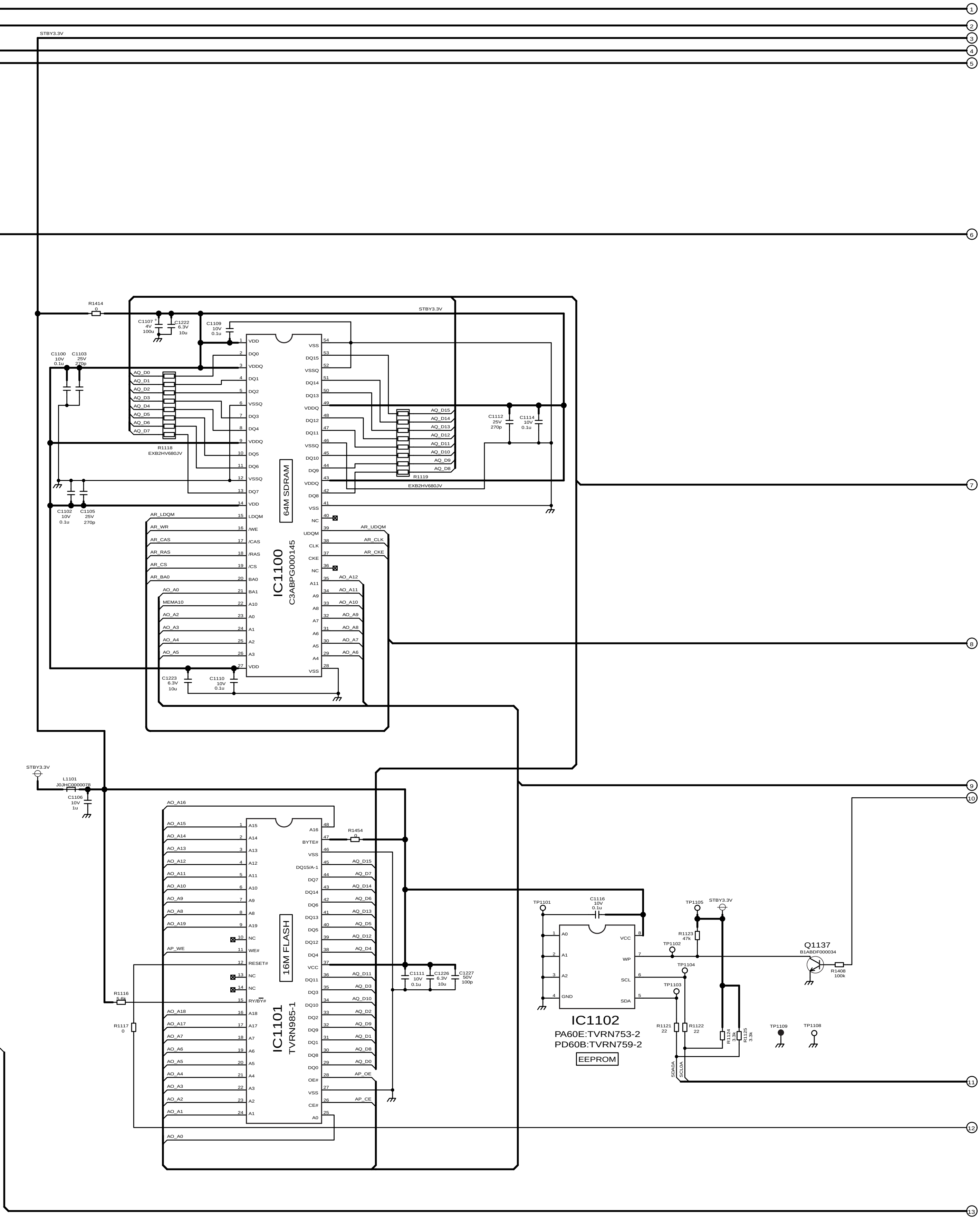

FOR ROM(D-BOARD)
FOR IIC/SERIAL
TO
HC15
DG15
DTV_EEP_SDA
DTV_EEP_SCL
SD_RX
SD_TX
SDA2
SCL2
SDA1
SCL1
SDA0B
SCL0B
SDA0A
SCL0A
SRQ
STBY5V
D_15V
REMOCON
R_LED
G_LED
D_PDB1
D_PSLCT
D_PDB0
D_PBUSY
D_PSTB
D_IIC_INT
D_RXD
D_TXD
D_SDA2
D_SCL2
D_IIC_CONT
D_STB3R3V
IC1103
MAIN MICOM
TO
D3
DG3
D_STB3R3V(STBY3.3V)
D_IIC_CONT(IIC_CONT)
D_SCL2(IIC_CLK2)
D_SDA2(IIC_DATA2)
D_TXD
D_RXD
D_IIC_INT(IIC_INT)
REMOCON
R_LED(LED_R)
G_LED(LED_G)
D_15V(P15V)
D_PSTB(PSTB)
D_PBUSY(PBUSY)
D_PDB0
D_PSLCT(PSCLT)
D_PDB1(PDB1)
STBY5V
TRCCLK
TRCST
TRCD0
TRCD1
TRCD2
TRCD3
EXTRG0
SDATA
SCL0CK
SCL0A
SDA0A
SCL0B
SDA0B
SCL2
SDA2
DTV BUS SEL1
DTV BUS SEL2
WP
AUDIO MUTE
SPMUTE
MSP RESET
GC_RST
HDMI_INT
HDMI_RST
HPD1
HDMI 5V DET1
CVBS1
CVBS0
HDMI_DAC_PD
HDMI_WP
QLINK_IN1
QLINK_IN2
QLINK_OUT
QLINK_SELECT
CECINA
IRQ4A
ACTIVE_STB_LED
STBY_LED
AI_SENSOR
KEYSCAN1
AFC1
KEY_EDGE
REMOTE IN
AUDIO_MUTE
SP_MUTE
MSP RESET
HDMI_5V_DET1
HDMI_CEC
DVB_LED
SENSOR
KEY1
RM_IN
AGC1_TX
AGC1_RX
VMUTE
PANEL STATUS
PANEL_SOS
PANEL_STB_ON
ECO_ON
ALL_OFF
Q1100
Q1101,1139
DISPEN
PANEL_STATUS
PANEL_STB_ON
OSCXI
X1100
SXCO
RTCXI
X1101
RTCXO
IC1100
64M
SDRAM
IC1101
16M
FLASH
ROM
RESET
MCU_RST
NRST
SUB9V
SUB5V
MAIN3.3V
STBY3.3V
SUB9V_DET
SUB5V_DET
MAIN3.3V_DET
STBY5V_DET
Q1103
SRQ
DTV_TXD
DTV_RXD
PANEL SCL1
PANEL SDA1
IIC_CLK1
IIC_DATA1
DISPEN(DRVMUTE)
READY(STATUS)
ALARM
PANEL_STBY_ON
ECO_ON
TUNER_SUB_ON
TO
XV01
DG22
DTV_SCL0B
DTV_SDA0B
DTV_TXD(SBI1)
DTV_RXD(SBO1)
DTV_RST
GENX_R0-R4
GENX_G0-G5
GENX_B0-B4
GENX_YS
GENX_YM
GENX_X_CLK
GENX_X_H
GENX_X_V
GENX_HO
GENX_CLKO
R00
R04
G00
G05
B00
B04
OSD
YSOUT
YMOUT0
OSDXI
HSYNC
VSYNC
HOUTA
VCLKOUTA
SOUND SOS
TV_MAIN_ON
TV_SUB_ON
POWER_SOS
LVDS_PD
SOUND_SOS
SOS
PEAKS_CIN7
PEAKS_CIN0
PEAKS_YIN7
PEAKS_YIN0
PEAKS_HIN
PEAKS_VIN
PEAKS_CLKIN
BS_SL
BS_SR
BS_Y(V)
DVB_CVBS
MONITOR
OUT
PD60B ONLY
10Bit LVDS
TO D5
DG5
TX_TE+
TX_TE-
TX_TD+
TX_TD-
TX_TCLK+
TX_TCLK-
TX_TC+
TX_TC-
TX_TB+
TX_TB-
TX_TA+
TX_TA-
DG35
FOR
FACTORY
USE
TCK
TMS
TDI
TDO
TRST
XRST

TH-37/42PA60E, TH-37/42PD60B
DG-Board (3 of 3) Block Diagram

14.29. DG-Board (1 of 8) Schematic Diagram


A
B
C
D
E
F
1
2
3
4
5
STBY3.3V
FANMAX
Panasonic_Mode
FANSOS
ECO_ON
GND
DISPEN
READY
ALARM
INEXCH
GND
PANEL_STB_ON
STB5V
GND
TUNER_SUB_ON
GND
GND
ALL_OFF
IIC_CLK1
IIC_DATA1
D_STB3R3V
D_IIC_CONT
D_SCL2
D_SDA2
D_TXD
D_RXD
D_IIC_INT
AC_GOOD
REMOCON
R_LED
G_LED
NC
D_15V
D_PSTB
D_PBUSY
D_PDB0
D_PSLCT
D_PDB1
R1101 100
R1458 100
R1102 1k
R1103 1k
R1413 100k
R1412 100k
R1459 100
STBY5V
R1105 1k
R1106 1k
ECO_ON
DISPEN
PANEL_STATUS
PANEL_SOS
PANEL_STBY_ON
TV_SUB_ON
ALL_OFF
PANEL_SCL1
PANEL_SDA1
D_STB3R3V
D_IIC_CONT
D_SCL2
D_SDA2
D_TXD
D_RXD
D_IIC_INT
RIMOCON
R_LED
G_LED
D_15V
D_PSTB
D_PBUSY
D_PDB0
D_PSLCT
D_PDB1
DG3
TO
D-BOARD
(D3)
R1414 0
C1100 10V 0.1u
C1103 25V 270p
C1102 10V 0.1u
C1105 25V 270p
STBY3.3V
L1101 J0JHC0000078
C1106 10V 1u
TRCST
TRCD3
TRCD2
TRCD1
TRCD0
TRCCLK
SDATA
EXTRG0
STBY3.3V
RST
SCL0CK
R1112 100
R1108 100
R1109 100
R1110 100
R1111 100
STBY3.3V
R1114 0
R1113 3.3k
TRCST
TRCD3
TRCD2
TRCD1
TRCD0
TRCCLK
SDATA
EXTRG0
RST
SCLOCK
DG7
FOR
FACTORY
USE
(DEBUGER)
!

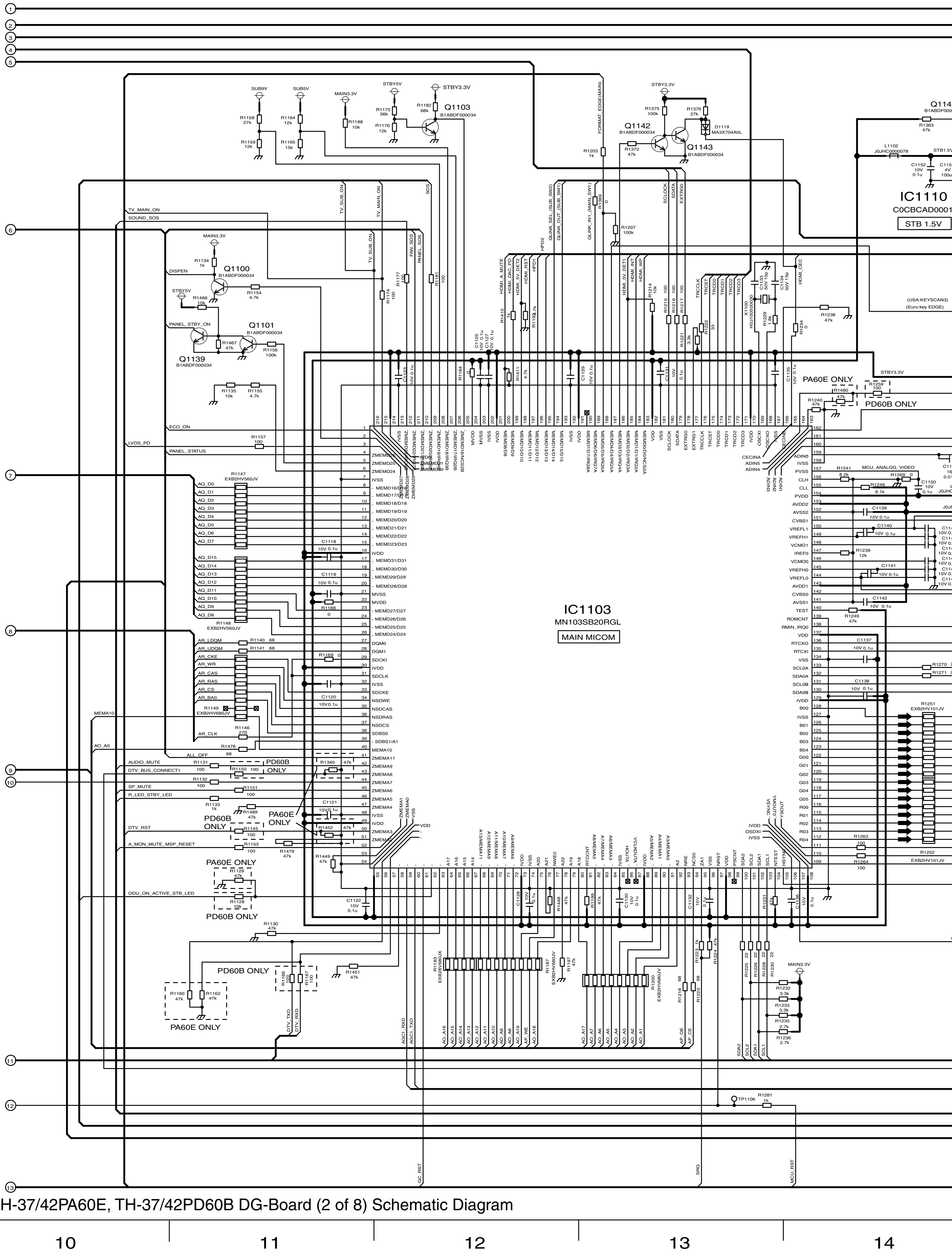
DG-BOARD (1/8)
TNPA3756CC (PA60E)
TNPA3756CJ (PD60B)


STBY3.3V
R1414
0
C1107
4V
100u
C1222
6.3V
10u
C1109
10V
0.1u
C1100
10V
0.1u
C1103
25V
270p
R1118
EXB2HV680JV
C1102
10V
0.1u
C1105
25V
270p
AQ_D0
AQ_D1
AQ_D2
AQ_D3
AQ_D4
AQ_D5
AQ_D6
AQ_D7
AR_LDQM
AR_WR
AR_CAS
AR_RAS
AR_CS
AR_BA0
AO_A0
MEMA10
AO_A2
AO_A3
AO_A4
AO_A5
C1223
6.3V
10u
C1110
10V
0.1u
IC1100
C3ABPG000145
64M SDRAM
VDD
DQ0
VDDQ
DQ1
DQ2
VSSQ
DQ3
DQ4
VDDQ
DQ5
DQ6
VSSQ
DQ7
VDD
LDQM
/WE
/CAS
/RAS
/CS
BA0
BA1
A10
A0
A1
A2
A3
VDD
VSS
DQ15
VSSQ
DQ14
DQ13
VDDQ
DQ12
DQ11
VSSQ
DQ10
DQ9
VDDQ
DQ8
VSS
NC
UDQM
CLK
CKE
NC
A11
A9
A8
A7
A6
A5
A4
VSS
AQ_D15
AQ_D14
AQ_D13
AQ_D12
AQ_D11
AQ_D10
AQ_D9
AQ_D8
R1119
EXB2HV680JV
C1112
25V
270p
C1114
10V
0.1u
AR_UDQM
AR_CLK
AR_CKE
AO_A12
AO_A11
AO_A10
AO_A9
AO_A8
AO_A7
AO_A6
STBY3.3V
L1101
J0JHC0000078
C1106
10V
1u
AO_A16
AO_A15
AO_A14
AO_A13
AO_A12
AO_A11
AO_A10
AO_A9
AO_A8
AO_A19
AP_WE
R1116
5.6k
R1117
0
AO_A18
AO_A17
AO_A7
AO_A6
AO_A5
AO_A4
AO_A3
AO_A2
AO_A1
AO_A0
IC1101
TVRN985-1
16M FLASH
A15
A14
A13
A12
A11
A10
A9
A8
A19
NC
WE#
RESET#
NC
NC
RY/BY#
A18
A17
A7
A6
A5
A4
A3
A2
A1
A16
BYTE#
VSS
DQ15/A-1
DQ7
DQ14
DQ6
DQ13
DQ5
DQ12
DQ4
VCC
DQ11
DQ3
DQ10
DQ2
DQ9
DQ1
DQ8
DQ0
OE#
VSS
CE#
A0
R1454
0
AQ_D15
AQ_D7
AQ_D14
AQ_D6
AQ_D13
AQ_D5
AQ_D12
AQ_D4
AQ_D11
AQ_D3
AQ_D10
AQ_D2
AQ_D9
AQ_D1
AQ_D8
AQ_D0
AP_OE
AP_CE
C1111
10V
0.1u
C1226
6.3V
10u
C1227
50V
100p
TP1101
C1116
10V
0.1u
A0
A1
A2
GND
VCC
WP
SCL
SDA
IC1102
PA60E:TVRN753-2
PD60B:TVRN759-2
EEPROM
TP1105
STBY3.3V
R1123
47k
TP1102
TP1104
TP1103
R1121
22
R1122
22
R1124
3.3k
R1125
3.3k
SDA0A
SCL0A
TP1109
TP1108
Q1137
B1ABDF000034
R1408
100k
1
2
3
4
5
6
7
8
9
10
11
12
13

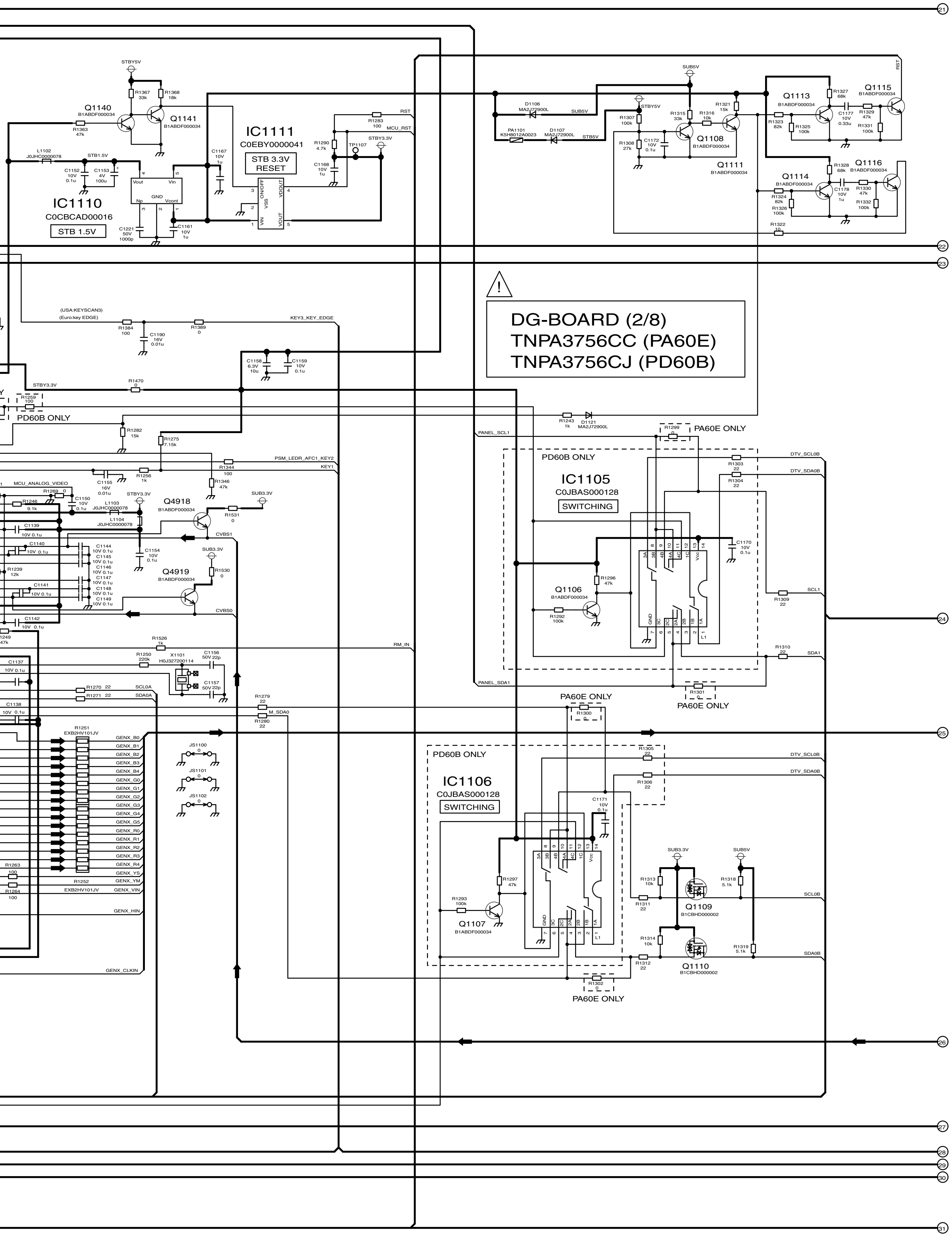
TH-37/42PA60E, TH-37/42PD60B DG-Board (1 of 8) Schematic Diagram

5 6 7 8 9

14.30. DG-Board (2 of 8) Schematic Diagram


IC1103
MN103SB20RGL
MAIN MICOM
IC1110
C0CBCAD0001
STB 1.5V
Q1100
Q1101
Q1139
Q1103
Q1142
Q1143
B1ABDF000034
D1119
MA3X704A0L
PA60E ONLY
PD60B ONLY
PD60B ONLY
PA60E ONLY
TV_MAIN_ON
SOUND_SOS
DISPEN
PANEL_STBY_ON
ECO_ON
LVDS_PD
PANEL_STATUS
MEMA10
AO_A0
AUDIO_MUTE
DTV_BUS_CONNECT1
SP_MUTE
R_LED_STBY_LED
DTV_RST
A_MON_MUTE_MSP_RESET
ODU_ON_ACTIVE_STB_LED
ALL_OFF
SUB9V
SUB5V
MAIN3.3V
STBY5V
STBY3.3V
TP1106
GC_RST
SIRQ
MCU_RST
MCU_ANALOG_VIDEO
1
2
3
4
5
6
7
8
9
10
11
12
13
10
11
12
13
14

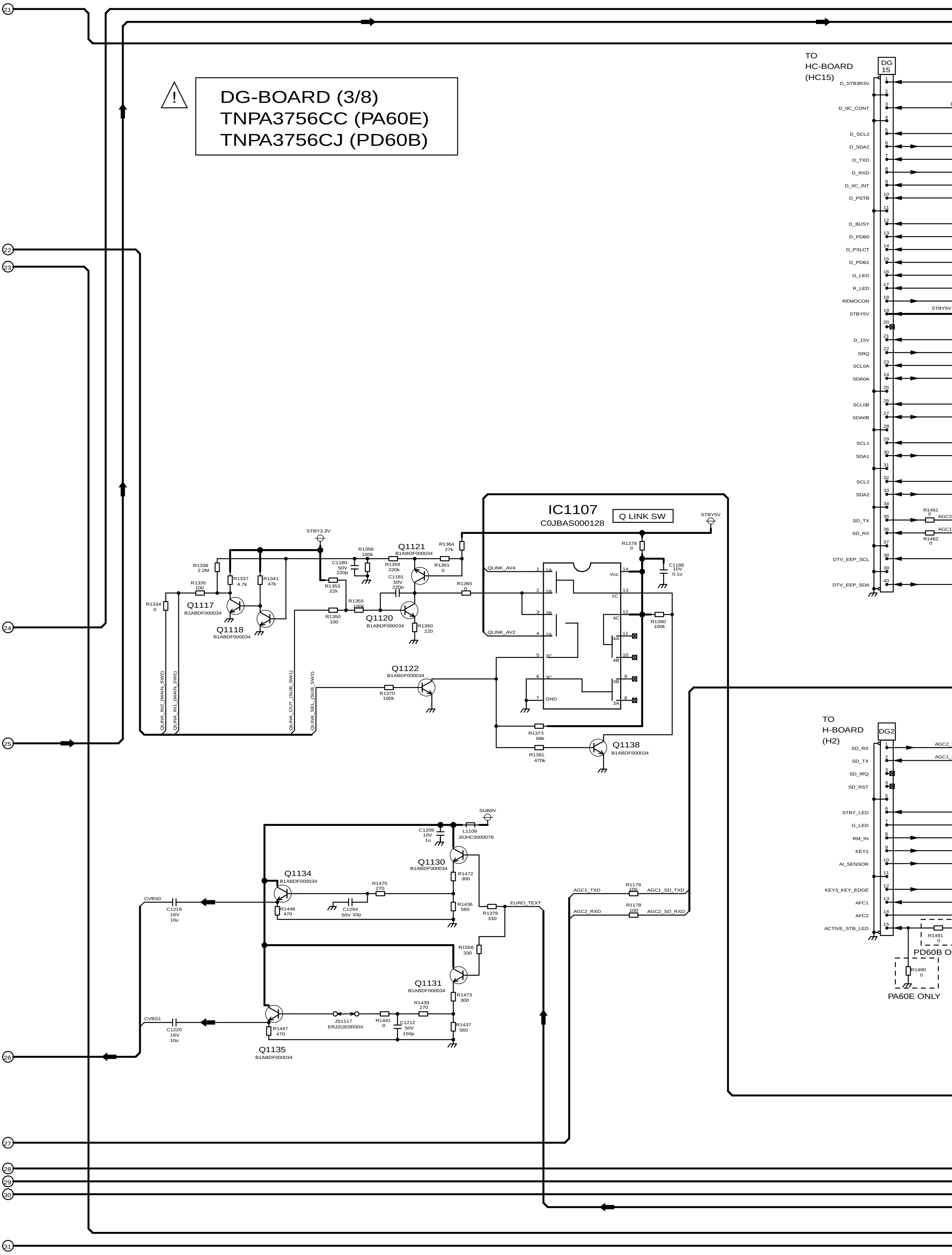
TH-37/42PA60E, TH-37/42PD60B DG-Board (2 of 8) Schematic Diagram


IC1110
C0CBCAD00016
STB 1.5V
IC1111
C0EBY0000041
STB 3.3V
RESET
Q1140
Q1141
Q1108
Q1111
Q1113
Q1114
Q1115
Q1116
DG-BOARD (2/8)
TNPA3756CC (PA60E)
TNPA3756CJ (PD60B)
IC1105
C0JBAS000128
SWITCHING
IC1106
C0JBAS000128
SWITCHING
Q1106
Q1107
Q1109
Q1110
Q4918
Q4919
PD60B ONLY
PA60E ONLY
STBY5V
STBY3.3V
SUB5V
SUB3.3V
RST
MCU_RST
KEY3_KEY_EDGE
PSM_LEDR_AFC1_KEY2
KEY1
MCU_ANALOG_VIDEO
CVBS1
CVBS0
RM_IN
SCL0A
SDA0A
M_SDA0
PANEL_SCL1
PANEL_SDA1
DTV_SCL0B
DTV_SDA0B
SCL1
SDA1
SCL0B
SDA0B
GENX_HIN
GENX_CLKIN
21
22
23
24
25
26
27
28
29
30
31

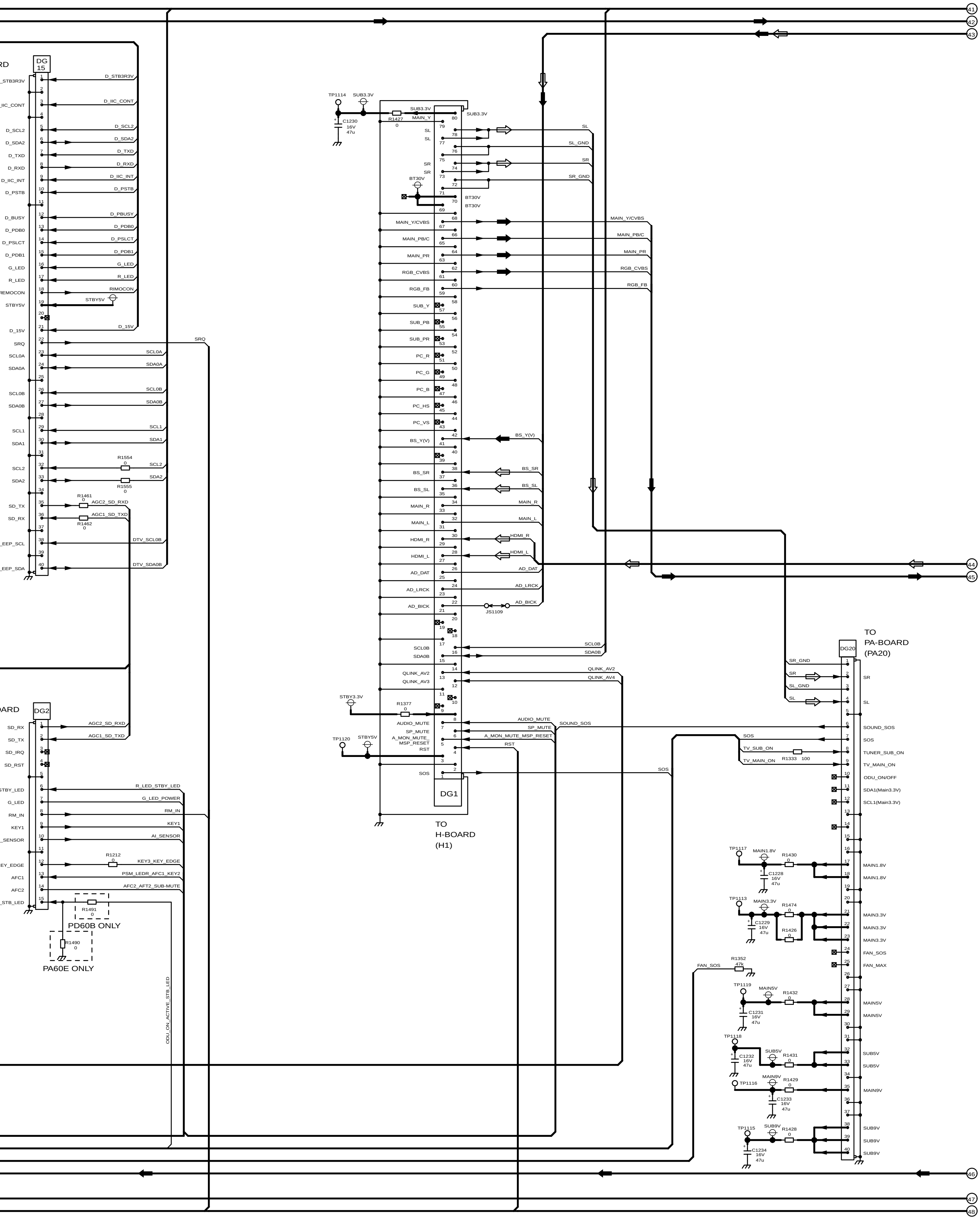
TH-37/42PA60E, TH-37/42PD60B DG-Board (2 of 8) Schematic Diagram

14 15 16 17 18

14.31. DG-Board (3 of 8) Schematic Diagram


DG-BOARD (3/8)
TNPA3756CC (PA60E)
TNPA3756CJ (PD60B)
TO
HC-BOARD
(HC15)
DG
15
D_STB3R3V
D_IIC_CONT
D_SCL2
D_SDA2
D_TXD
D_RXD
D_IIC_INT
D_PSTB
D_BUSY
D_PDB0
D_PSLCT
D_PDB1
G_LED
R_LED
REMOCON
STBY5V
D_15V
SRQ
SCL0A
SDA0A
SCL0B
SDA0B
SCL1
SDA1
SCL2
SDA2
SD_TX
SD_RX
DTV_EEP_SCL
DTV_EEP_SDA
R1461
R1462
IC1107
C0JBAS000128
Q LINK SW
STBY5V
STBY3.3V
Q1117
Q1118
Q1120
Q1121
Q1122
Q1138
QLINK_AV4
QLINK_AV2
QLINK_IN2_(MAIN_SW2)
QLINK_IN1_(MAIN_SW1)
QLINK_OUT_(SUB_SW1)
QLINK_SEL_(SUB_SW2)
TO
H-BOARD
(H2)
DG2
SD_RX
SD_TX
SD_IRQ
SD_RST
STBY_LED
G_LED
RM_IN
KEY1
AI_SENSOR
KEY3_KEY_EDGE
AFC1
AFC2
ACTIVE_STB_LED
PD60B O
PA60E ONLY
R1490
R1491
SUB9V
L1109
J0JHC0000078
Q1130
Q1131
Q1134
Q1135
CVBS0
CVBS1
EURO_TEXT
AGC1_TXD
AGC2_RXD
AGC1_SD_TXD
AGC2_SD_RXD
JS1117
ERJ2GE0R00X
21
22
23
24
25
26
27
28
29
30
31

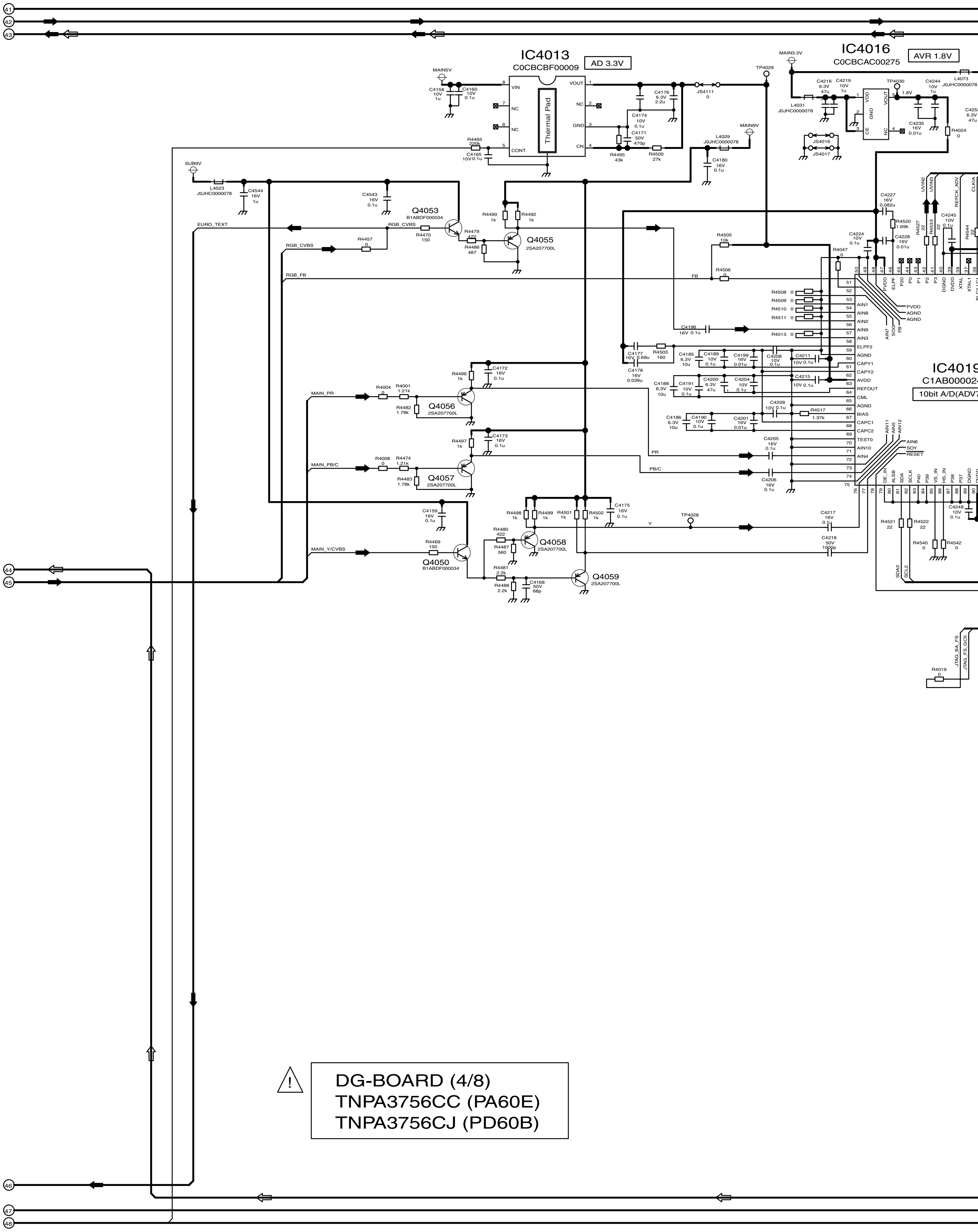
TH-37/42PA60E, TH-37/42PD60B DG-Board (3 of 8) Schematic Diagram


DG15
D_STB3R3V
D_IIC_CONT
D_SCL2
D_SDA2
D_TXD
D_RXD
D_IIC_INT
D_PSTB
D_BUSY
D_PBUSY
D_PDB0
D_PSLCT
D_PDB1
G_LED
R_LED
REMOCON
RIMOCON
STBY5V
D_15V
SRQ
SCL0A
SDA0A
SCL0B
SDA0B
SCL1
SDA1
SCL2
SDA2
R1554 0
R1555 0
SD_TX
SD_RX
R1461 0
R1462 0
AGC2_SD_RXD
AGC1_SD_TXD
EEP_SCL
EEP_SDA
DTV_SCL0B
DTV_SDA0B
DG2
SD_IRQ
SD_RST
STBY_LED
RM_IN
KEY1
SENSOR
KEY_EDGE
AFC1
AFC2
STB_LED
R_LED_STBY_LED
G_LED_POWER
AI_SENSOR
R1212 0
KEY3_KEY_EDGE
PSM_LEDR_AFC1_KEY2
AFC2_AFT2_SUB-MUTE
R1491 0
PD60B ONLY
R1490 0
PA60E ONLY
ODU_ON_ACTIVE_STB_LED
TP1114
SUB3.3V
C1230 16V 47u
R1427 0
MAIN_Y
SL
SR
SL_GND
SR_GND
BT30V
MAIN_Y/CVBS
MAIN_PB/C
MAIN_PR
RGB_CVBS
RGB_FB
SUB_Y
SUB_PB
SUB_PR
PC_R
PC_G
PC_B
PC_HS
PC_VS
BS_Y(V)
BS_SR
BS_SL
MAIN_R
MAIN_L
HDMI_R
HDMI_L
AD_DAT
AD_LRCK
AD_BICK
JS1109
SCL0B
SDA0B
QLINK_AV2
QLINK_AV3
QLINK_AV4
STBY3.3V
R1377 0
TP1120
AUDIO_MUTE
SP_MUTE
A_MON_MUTE_MSP_RESET
RST
SOUND_SOS
SOS
DG1
TO H-BOARD (H1)
TO PA-BOARD (PA20)
DG20
TV_SUB_ON
TV_MAIN_ON
R1333 100
TUNER_SUB_ON
ODU_ON/OFF
SDA1(Main3.3V)
SCL1(Main3.3V)
TP1117
MAIN1.8V
R1430 0
C1228 16V 47u
TP1113
MAIN3.3V
R1474 0
R1426 0
C1229 16V 47u
FAN_SOS
FAN_MAX
R1352 47k
TP1119
MAIN5V
R1432 0
C1231 16V 47u
TP1118
SUB5V
R1431 0
C1232 16V 47u
MAIN9V
R1429 0
TP1116
C1233 16V 47u
TP1115
SUB9V
R1428 0
C1234 16V 47u
41
42
43
44
45
46
47
48

TH-37/42PA60E, TH-37/42PD60B DG-Board (3 of 8) Schematic Diagram

23 24 25 26 27

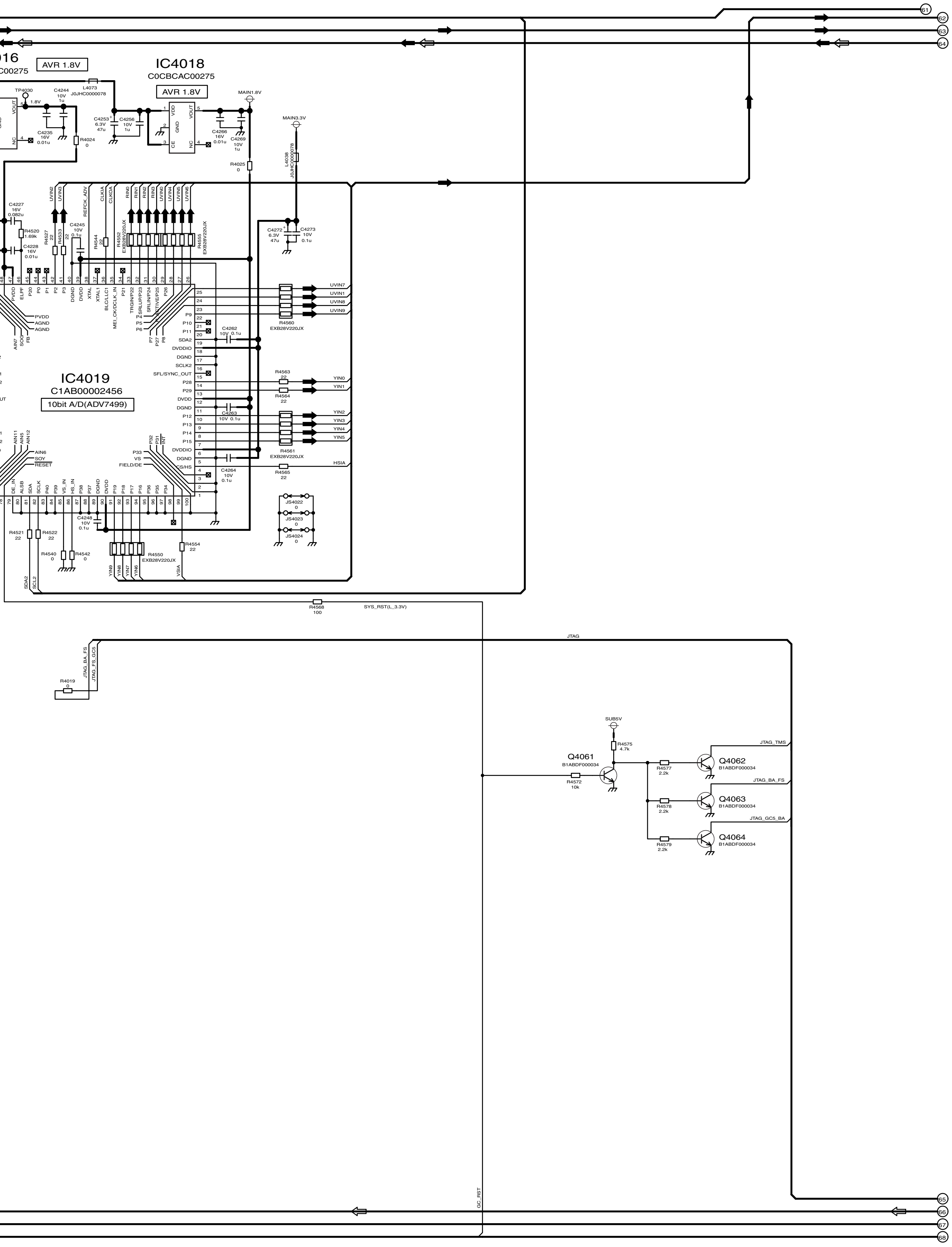
14.32. DG-Board (4 of 8) Schematic Diagram


41
42
43
44
45
46
47
48
IC4013
C0CBCBF00009
AD 3.3V
VIN
NC
NC
CONT
VOUT
NC
GND
CN
Thermal Pad
MAIN5V
C4158 10V 1u
C4160 10V 0.1u
R4465 220k
C4165 10V 0.1u
C4176 6.3V 2.2u
C4174 10V 0.1u
C4171 50V 470p
R4495 43k
R4500 27k
JS4111 0
L4029 J0JHC0000078
MAIN9V
C4180 16V 0.1u
TP4029
MAIN3.3V
IC4016
C0CBCAC00275
AVR 1.8V
L4031 J0JHC0000078
C4216 6.3V 47u
C4219 10V 1u
TP4030
1.8V
C4244 10V 1u
L4073 J0JHC0000078
VDD
GND
CE
VOUT
NC
JS4016
JS4017
C4235 16V 0.01u
R4024 0
SUB9V
L4023 J0JHC0000078
C4544 16V 1u
C4543 16V 0.1u
EURO_TEXT
RGB_CVBS
RGB_FB
R4457 0
Q4053
B1ABDF000034
R4470 150
R4479 422
R4486 487
R4490 1k
R4492 1k
Q4055
2SA207700L
R4505 10k
R4506 0
FB
R4047 0
C4224 10V 0.1u
C4227 16V 0.082u
R4520 1.69k
C4228 16V 0.01u
R4527 22
R4533 22
C4245 10V 0.1u
R4544 22
UVIN2
UVIN3
REFCK_ADV
CLKIA
R4508 0
R4509 0
R4510 0
R4511 0
R4513 0
C4196 16V 0.1u
C4177 16V 0.68u
R4503 160
C4178 16V 0.039u
C4185 6.3V 10u
C4189 10V 0.1u
C4199 16V 0.01u
C4208 10V 0.1u
C4211 10V 0.1u
C4188 6.3V 10u
C4191 10V 0.1u
C4200 6.3V 47u
C4204 10V 0.1u
C4215 10V 0.1u
C4209 10V 0.1u
R4517 1.37k
C4186 6.3V 10u
C4190 10V 0.1u
C4201 16V 0.01u
C4205 16V 0.1u
C4206 16V 0.1u
AIN1
AIN8
AIN2
AIN9
AIN3
ELPF2
AGND
CAPY1
CAPY2
AVDD
REFOUT
CML
AGND
BIAS
CAPC1
CAPC2
TEST0
AIN10
AIN4
PVDD
AGND
AGND
AIN6
SOY
RESET
IC4019
C1AB00002
10bit A/D(ADV
MAIN_PR
R4004 0
R4001 1.21k
R4482 1.78k
Q4056
2SA207700L
R4496 1k
C4172 16V 0.1u
MAIN_PB/C
R4008 0
R4474 1.21k
R4483 1.78k
Q4057
2SA207700L
R4497 1k
C4173 16V 0.1u
PR
PB/C
C4159 16V 0.1u
R4498 1k
R4499 1k
R4501 1k
R4502 1k
C4175 16V 0.1u
TP4028
Y
C4217 16V 0.1u
C4218 50V 1000p
R4480 422
R4487 560
Q4058
2SA207700L
MAIN_Y/CVBS
R4469 150
Q4050
B1ABDF000034
R4481 2.2k
R4488 2.2k
C4168 50V 68p
Q4059
2SA207700L
R4521 22
R4522 22
R4540 0
R4542 0
C4248 10V 0.1u
SDA2
SCL2
JTAG_BA_FS
JTAG_FS_GC5
R4019 0

DG-BOARD (4/8)
TNPA3756CC (PA60E)
TNPA3756CJ (PD60B)

TH-37/42PA60E, TH-37/42PD60B DG-Board (4 of 8) Schematic Diagram

28 29 30 31 32

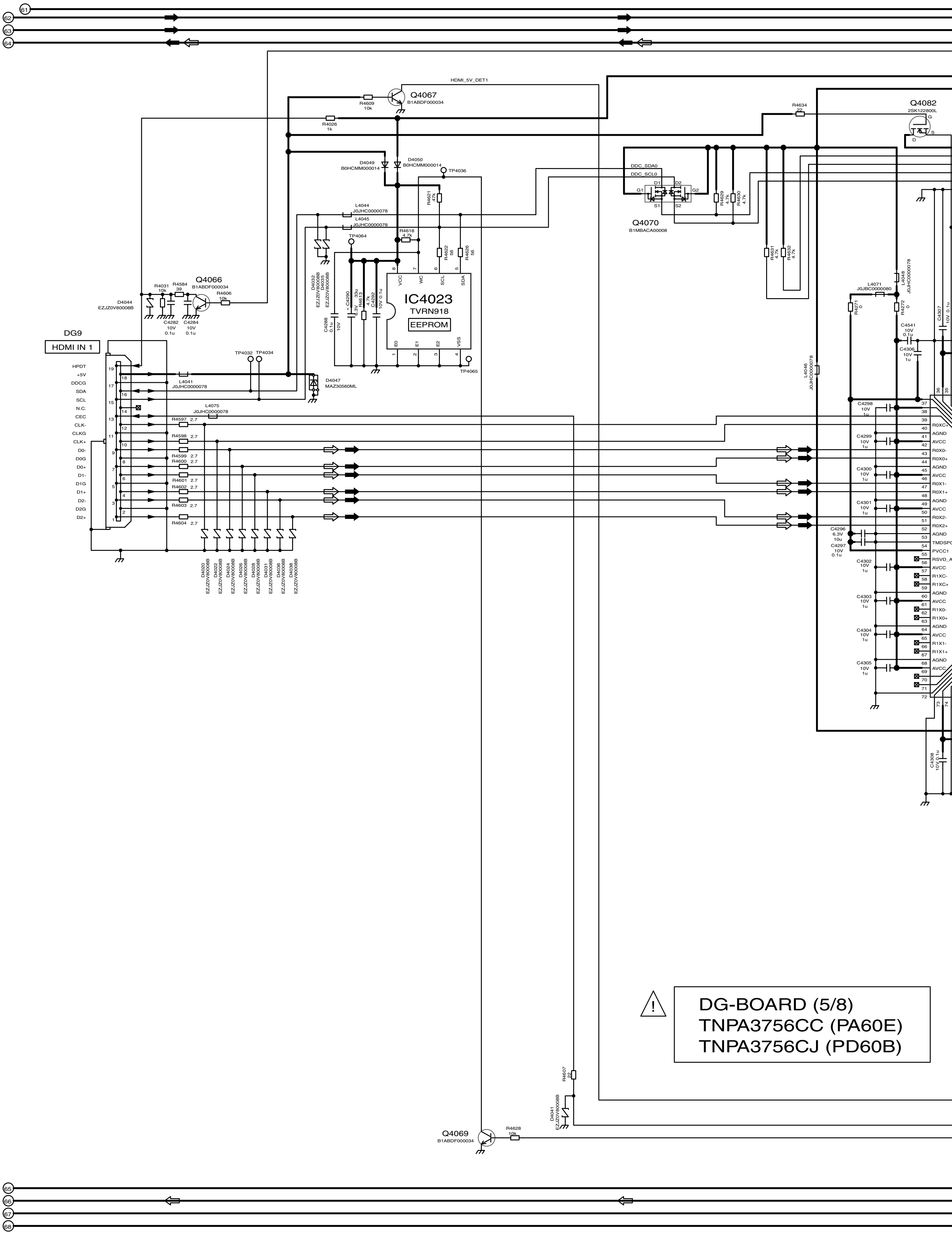


IC4018
C0CBCAC00275
AVR 1.8V
016
C00275
AVR 1.8V
L4073
J0JHC0000078
TP4030
1.8V
C4244 10V 1u
C4235 16V 0.01u
R4024 0
C4253 6.3V 47u
C4256 10V 1u
VDD
GND
CE
VOUT
NC
C4266 16V 0.01u
C4269 10V 1u
MAIN1.8V
MAIN3.3V
L4038
J0JHC0000078
R4025 0
C4272 6.3V 47u
C4273 10V 0.1u
C4227 16V 0.082u
R4520 1.69k
C4228 16V 0.01u
R4527 22
R4533 22
C4245 10V 0.1u
R4544 22
R4552 EXB28V220JX
R4555 EXB28V220JX
UVIN2
UVIN3
REFCK_ADV
CLKIA
CLKOA
RIN0
RIN1
RIN2
RIN3
UVIN4
UVIN5
UVIN6
PVDD
ELPF
P20
P0
P1
P2
P3
DGND
DVDD
XTAL
XTAL1
BLCLLC1
MEI_CK/DCLK_IN
P21
TRGIN/P22
SRLIN/P23
SRLIN/P24
ACTIVE/P25
P26
P9
P10
P11
SDA2
DVDDIO
DGND
SCLK2
SFL/SYNC_OUT
P28
P29
DVDD
DGND
P12
P13
P14
P15
DVDDIO
DGND
CS/HS
PVDD
AGND
AGND
AIN7
SOG
FB
P4
P5
P6
P7
P27
P8
C4262 10V 0.1u
R4560 EXB28V220JX
UVIN7
UVIN1
UVIN8
UVIN9
IC4019
C1AB00002456
10bit A/D(ADV7499)
R4563 22
R4564 22
YIN0
YIN1
C4263 10V 0.1u
YIN2
YIN3
YIN4
YIN5
R4561 EXB28V220JX
HSIA
R4565 22
C4264 10V 0.1u
AIN11
AIN5
AIN12
AIN6
SOY
RESET
P33
VS
FIELD/DE
P32
P31
INT
JS4022 0
JS4023 0
JS4024 0
DE_IN
ALSB
SDA
SCLK
P40
P39
VS_IN
HS_IN
P38
P37
DGND
DVDD
P19
P18
P17
P16
P36
P35
P34
C4248 10V 0.1u
R4521 22
R4522 22
R4540 0
R4542 0
R4550 EXB28V220JX
R4554 22
YIN9
YIN8
YIN7
YIN6
VSIA
SDA2
SCL2
R4568 100
SYS_RST(L_3.3V)
JTAG
JTAG_BA_FS
JTAG_FS_GC5
R4019 0
SUB5V
R4575 4.7k
Q4061
B1ABDF000034
R4572 10k
R4577 2.2k
R4578 2.2k
R4579 2.2k
Q4062
B1ABDF000034
Q4063
B1ABDF000034
Q4064
B1ABDF000034
JTAG_TMS
JTAG_BA_FS
JTAG_GC5_BA
GC_RST
61
62
63
64
65
66
67
68

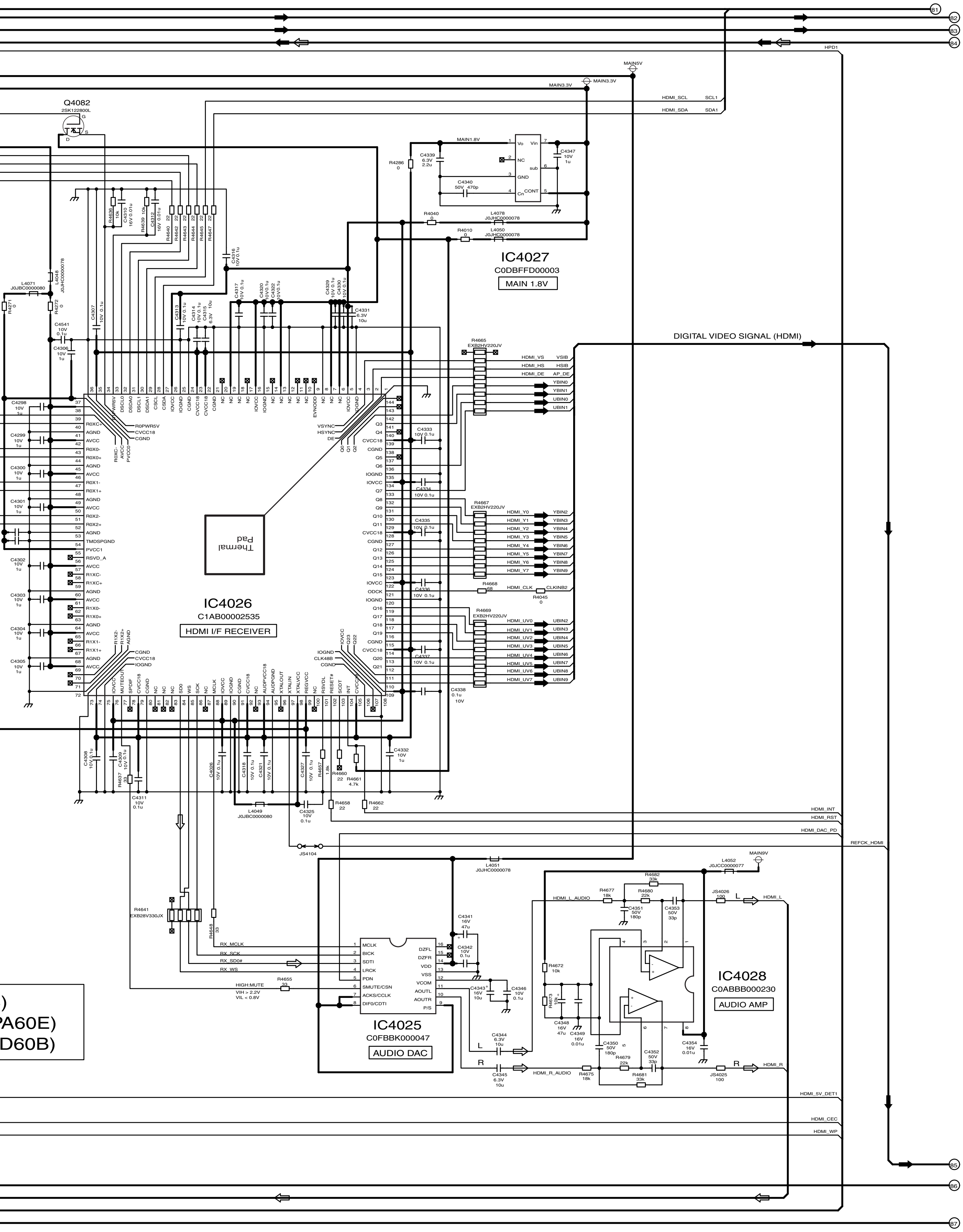
TH-37/42PA60E, TH-37/42PD60B DG-Board (4 of 8) Schematic Diagram

32 33 34 35 36

14.33. DG-Board (5 of 8) Schematic Diagram


61
62
63
64
65
66
67
68
HDMI_5V_DET1
Q4067
B1ABDF000034
R4609
10k
R4026
1k
D4049
B0HCMM000014
D4050
B0HCMM000014
TP4036
L4044
J0JHC0000078
L4045
J0JHC0000078
R4621
47k
R4618
4.7k
TP4064
R4622
56
R4626
56
IC4023
TVRN918
EEPROM
VCC
WC
SCL
SDA
E0
E1
E2
VSS
TP4065
D4032
EZJZ0V80008B
D4035
EZJZ0V80008B
C4290
6.3V
33u
R4613
4.7k
C4292
10V 0.1u
C4288
0.1u
10V
Q4066
B1ABDF000034
R4031
10k
R4584
39
R4606
10k
D4044
EZJZ0V80008B
C4282
10V
0.1u
C4284
10V
0.1u
DG9
HDMI IN 1
HPDT
+5V
DDCG
SDA
SCL
N.C.
CEC
CLK-
CLKG
CLK+
D0-
D0G
D0+
D1-
D1G
D1+
D2-
D2G
D2+
TP4032
TP4034
L4041
J0JHC0000078
D4047
MAZ30560ML
L4075
J0JHC0000078
R4597 2.7
R4598 2.7
R4599 2.7
R4600 2.7
R4601 2.7
R4602 2.7
R4603 2.7
R4604 2.7
D4020
EZJZ0V80008B
D4022
EZJZ0V80008B
D4024
EZJZ0V80008B
D4026
EZJZ0V80008B
D4028
EZJZ0V80008B
D4031
EZJZ0V80008B
D4036
EZJZ0V80008B
D4038
EZJZ0V80008B
DDC_SDA0
DDC_SCL0
Q4070
B1MBACA00008
D1
D2
G1
G2
S1
S2
R4629
4.7k
R4630
4.7k
R4631
4.7k
R4632
4.7k
R4634
22
Q4082
2SK122800L
G
S
D
L4071
J0JBC0000080
L4048
J0JHC0000078
R4271
0
R4272
0
C4541
10V
0.1u
C4306
10V
1u
C4307
10V 0.1u
L4046
J0JHC0000078
C4298
10V
1u
C4299
10V
1u
C4300
10V
1u
C4301
10V
1u
C4296
6.3V
10u
C4297
10V
0.1u
C4302
10V
1u
C4303
10V
1u
C4304
10V
1u
C4305
10V
1u
C4308
10V 0.1u
R0XC+
AGND
AVCC
R0X0-
R0X0+
R0X1-
R0X1+
R0X2-
R0X2+
TMDSPC
PVCC1
RSVD_A
R1XC-
R1XC+
R1X0-
R1X0+
R1X1-
R1X1+
R4607
22
D4041
EZJZ0V80008B
Q4069
B1ABDF000034
R4628
10k
DG-BOARD (5/8)
TNPA3756CC (PA60E)
TNPA3756CJ (PD60B)

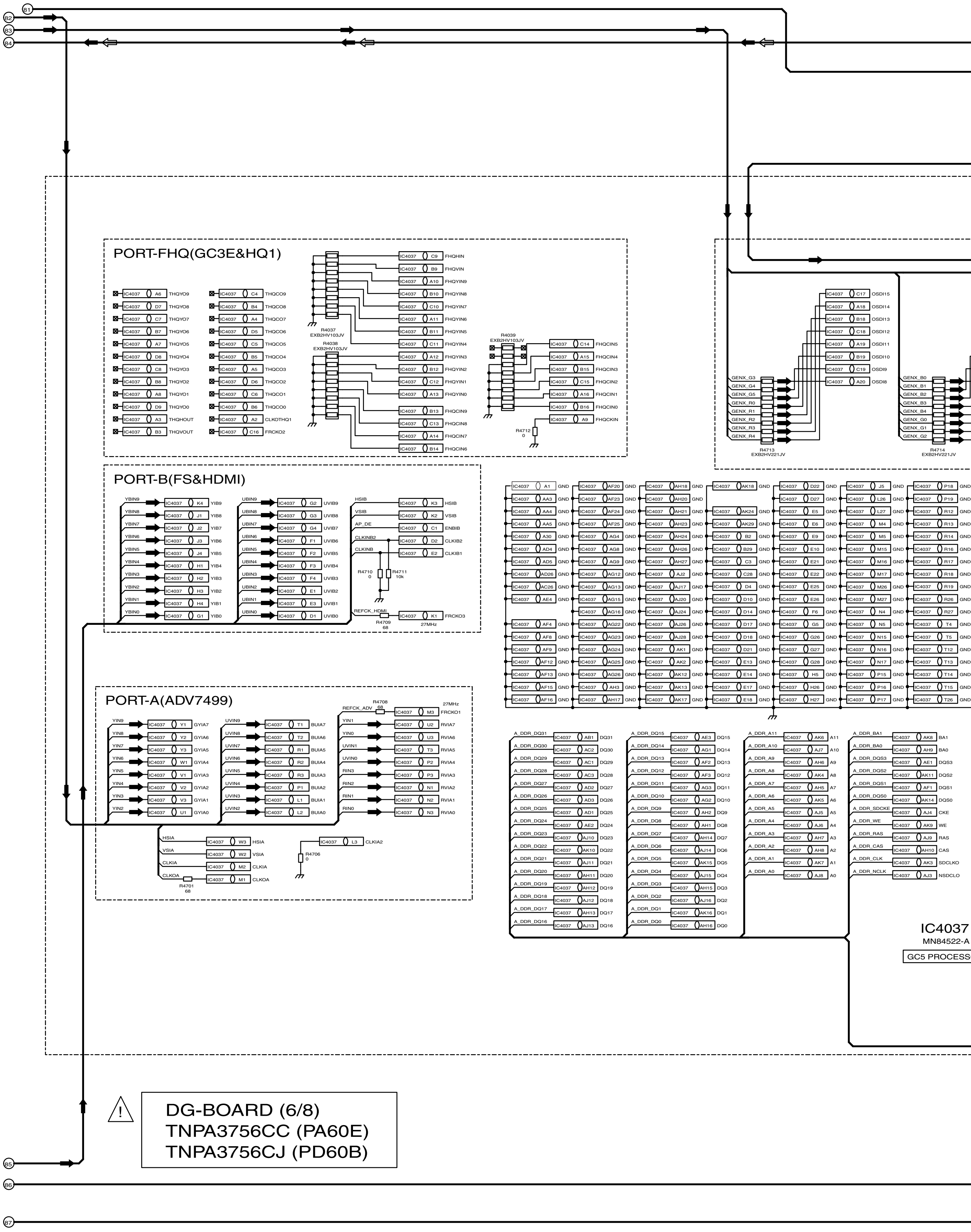
TH-37/42PA60E, TH-37/42PD60B DG-Board (5 of 8) Schematic Diagram


Q4082
2SK122800L
IC4027
C0DBFFD00003
MAIN 1.8V
MAIN1.8V
MAIN3.3V
MAIN5V
MAIN9V
HDMI_SCL
HDMI_SDA
SCL1
SDA1
HPD1
DIGITAL VIDEO SIGNAL (HDMI)
IC4026
C1AB00002535
HDMI I/F RECEIVER
Thermal Pad
R4665
EXB2HV220JV
R4667
EXB2HV220JV
R4669
EXB2HV220JV
HDMI_VS
HDMI_HS
HDMI_DE
HDMI_Y0
HDMI_Y1
HDMI_Y2
HDMI_Y3
HDMI_Y4
HDMI_Y5
HDMI_Y6
HDMI_Y7
HDMI_CLK
CLKINB2
HDMI_UV0
HDMI_UV1
HDMI_UV2
HDMI_UV3
HDMI_UV4
HDMI_UV5
HDMI_UV6
HDMI_UV7
HDMI_INT
HDMI_RST
HDMI_DAC_PD
REFCK_HDMI
JS4104
R4641
EXB28V330JX
RX_MCLK
RX_SCK
RX_SD0#
RX_WS
HIGH:MUTE
VIH > 2.2V
VIL < 0.8V
IC4025
C0FBBK000047
AUDIO DAC
HDMI_L_AUDIO
HDMI_R_AUDIO
HDMI_L
HDMI_R
IC4028
C0ABBB000230
AUDIO AMP
HDMI_5V_DET1
HDMI_CEC
HDMI_WP
81
82
83
84
85
86
87
)
PA60E)
D60B)

TH-37/42PA60E, TH-37/42PD60B DG-Board (5 of 8) Schematic Diagram

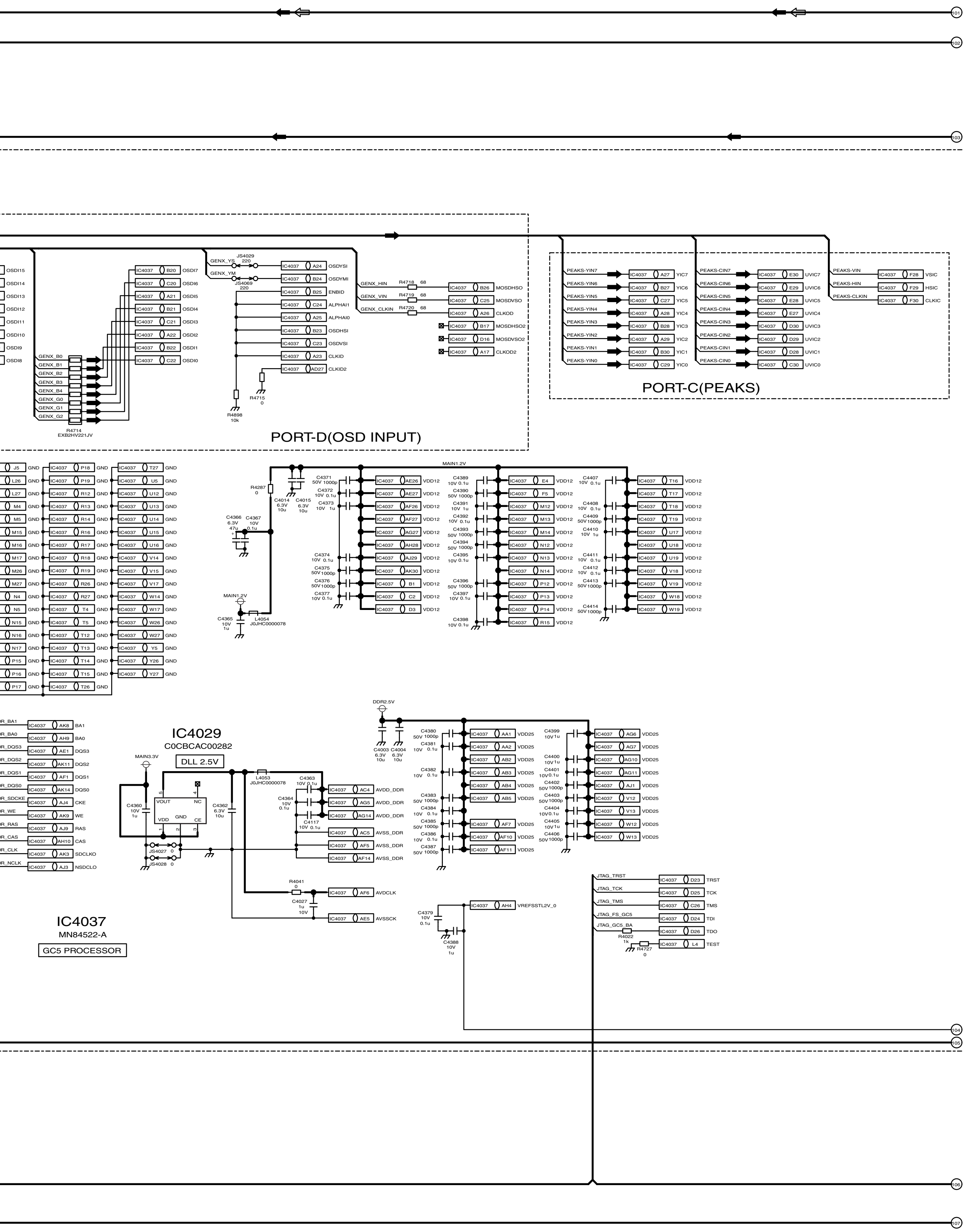
41 42 43 44 45

14.34. DG-Board (6 of 8) Schematic Diagram


81
82
83
84
85
86
87
PORT-FHQ(GC3E&HQ1)
R4037
EXB2HV103JV
R4038
EXB2HV103JV
R4039
EXB2HV103JV
R4712
PORT-B(FS&HDMI)
R4710
R4711
R4709
REFCK_HDMI
27MHz
PORT-A(ADV7499)
R4708
REFCK_ADV
R4701
R4706
R4713
EXB2HV221JV
R4714
EXB2HV221JV
IC4037
MN84522-A
GC5 PROCESS
DG-BOARD (6/8)
TNPA3756CC (PA60E)
TNPA3756CJ (PD60B)

TH-37/42PA60E, TH-37/42PD60B DG-Board (6 of 8) Schematic Diagram

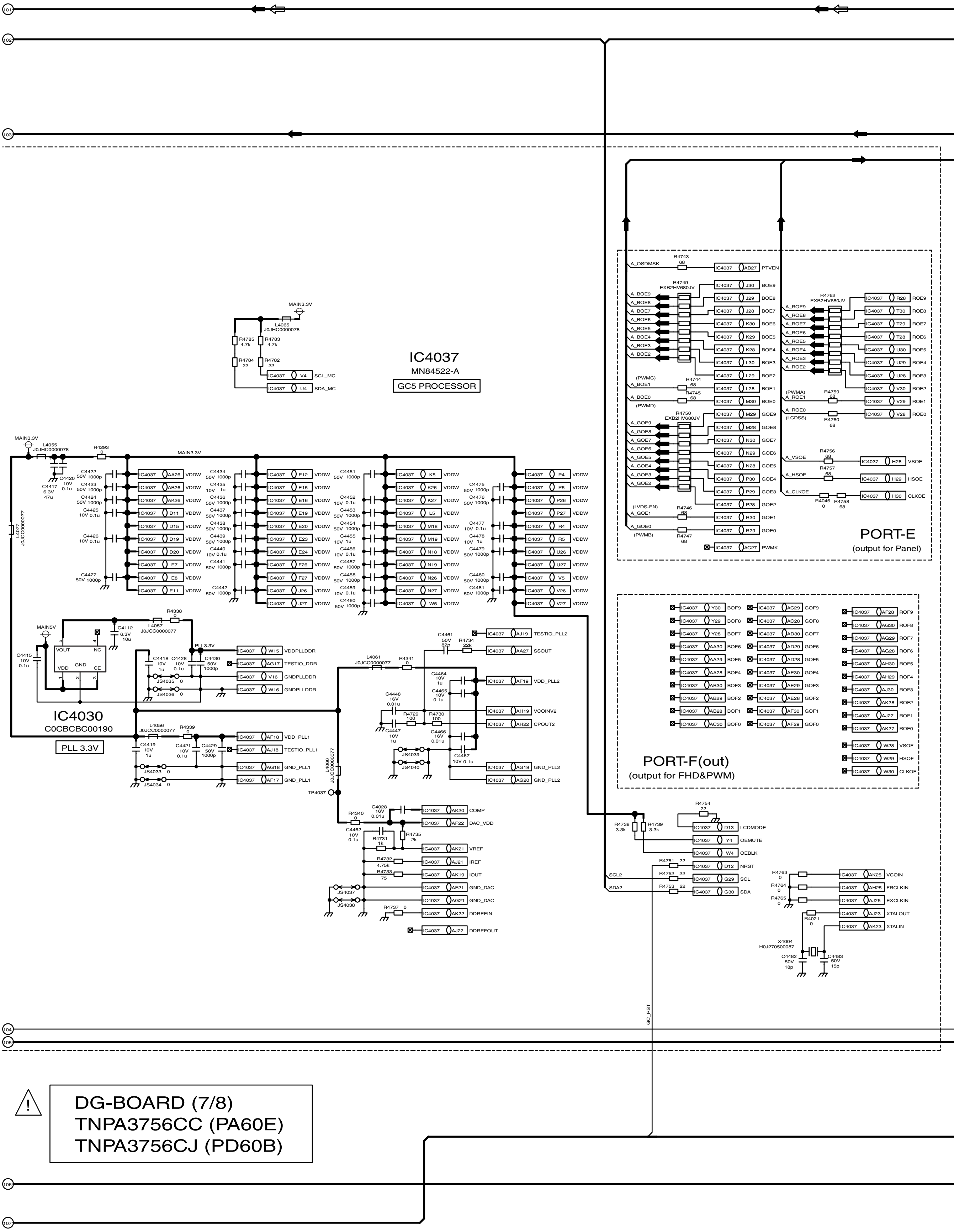
46 47 48 49 50


PORT-D(OSD INPUT)
PORT-C(PEAKS)
IC4029
C0CBCAC00282
DLL 2.5V
IC4037
MN84522-A
GC5 PROCESSOR
R4714
EXB2HV221JV
MAIN1.2V
DDR2.5V
MAIN3.3V
GENX_YS
GENX_YM
GENX_HIN
GENX_VIN
GENX_CLKIN
PEAKS-VIN
PEAKS-HIN
PEAKS-CLKIN
JTAG_TRST
JTAG_TCK
JTAG_TMS
JTAG_FS_GC5
JTAG_GC5_BA
TRST
TCK
TMS
TDI
TDO
TEST
VDD12
VDD25
AVDD_DDR
AVSS_DDR
AVDCLK
AVSSCK
VREFSSTL2V_0

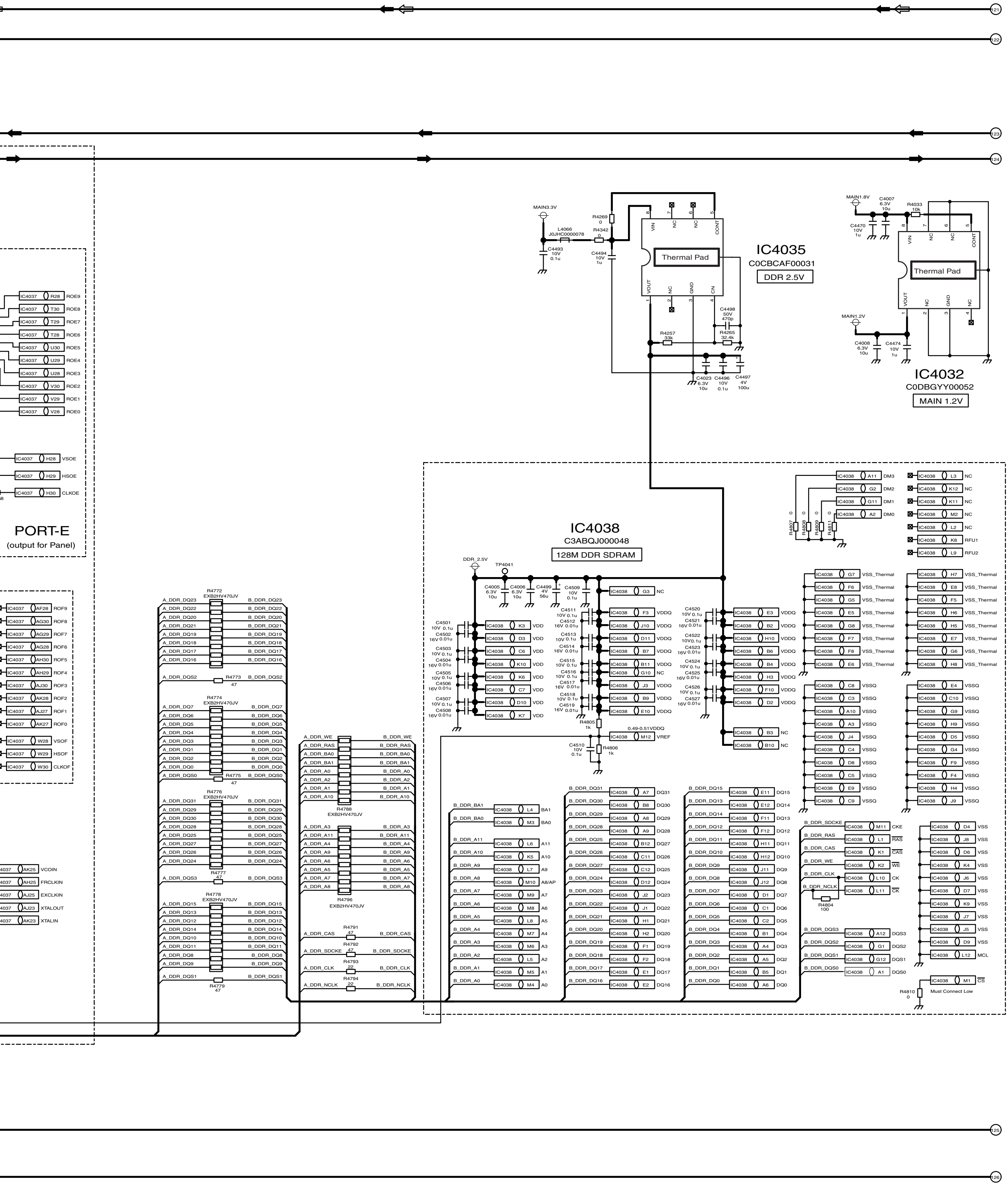
TH-37/42PA60E, TH-37/42PD60B DG-Board (6 of 8) Schematic Diagram

50 51 52 53 54

14.35. DG-Board (7 of 8) Schematic Diagram


IC4037
MN84522-A
GC5 PROCESSOR
IC4030
C0CBCBC00190
PLL 3.3V
PORT-E
(output for Panel)
PORT-F(out)
(output for FHD&PWM)
MAIN3.3V
MAIN5V
PLL3.3V
SCL_MC
SDA_MC
VDDW
VDDPLLDDR
TESTIO_DDR
GNDPLLDDR
VDD_PLL1
TESTIO_PLL1
GND_PLL1
TESTIO_PLL2
SSOUT
VDD_PLL2
VCOINV2
CPOUT2
GND_PLL2
COMP
DAC_VDD
VREF
IREF
IOUT
GND_DAC
DDREFIN
DDREFOUT
TP4037
PTVEN
BOE9
BOE8
BOE7
BOE6
BOE5
BOE4
BOE3
BOE2
BOE1
BOE0
GOE9
GOE8
GOE7
GOE6
GOE5
GOE4
GOE3
GOE2
GOE1
GOE0
PWMK
ROE9
ROE8
ROE7
ROE6
ROE5
ROE4
ROE3
ROE2
ROE1
ROE0
VSOE
HSOE
CLKOE
BOF9
BOF8
BOF7
BOF6
BOF5
BOF4
BOF3
BOF2
BOF1
BOF0
GOF9
GOF8
GOF7
GOF6
GOF5
GOF4
GOF3
GOF2
GOF1
GOF0
ROF9
ROF8
ROF7
ROF6
ROF5
ROF4
ROF3
ROF2
ROF1
ROF0
VSOF
HSOF
CLKOF
LCDMODE
OEMUTE
OEBLK
NRST
SCL
SDA
SCL2
SDA2
GC_RST
VCOIN
FRCLKIN
EXCLKIN
XTALOUT
XTALIN
X4004
H0J270500087
DG-BOARD (7/8)
TNPA3756CC (PA60E)
TNPA3756CJ (PD60B)
101
102
103
104
105
106
107
55
56
57
58
59

TH-37/42PA60E, TH-37/42PD60B DG-Board (7 of 8) Schematic Diagram

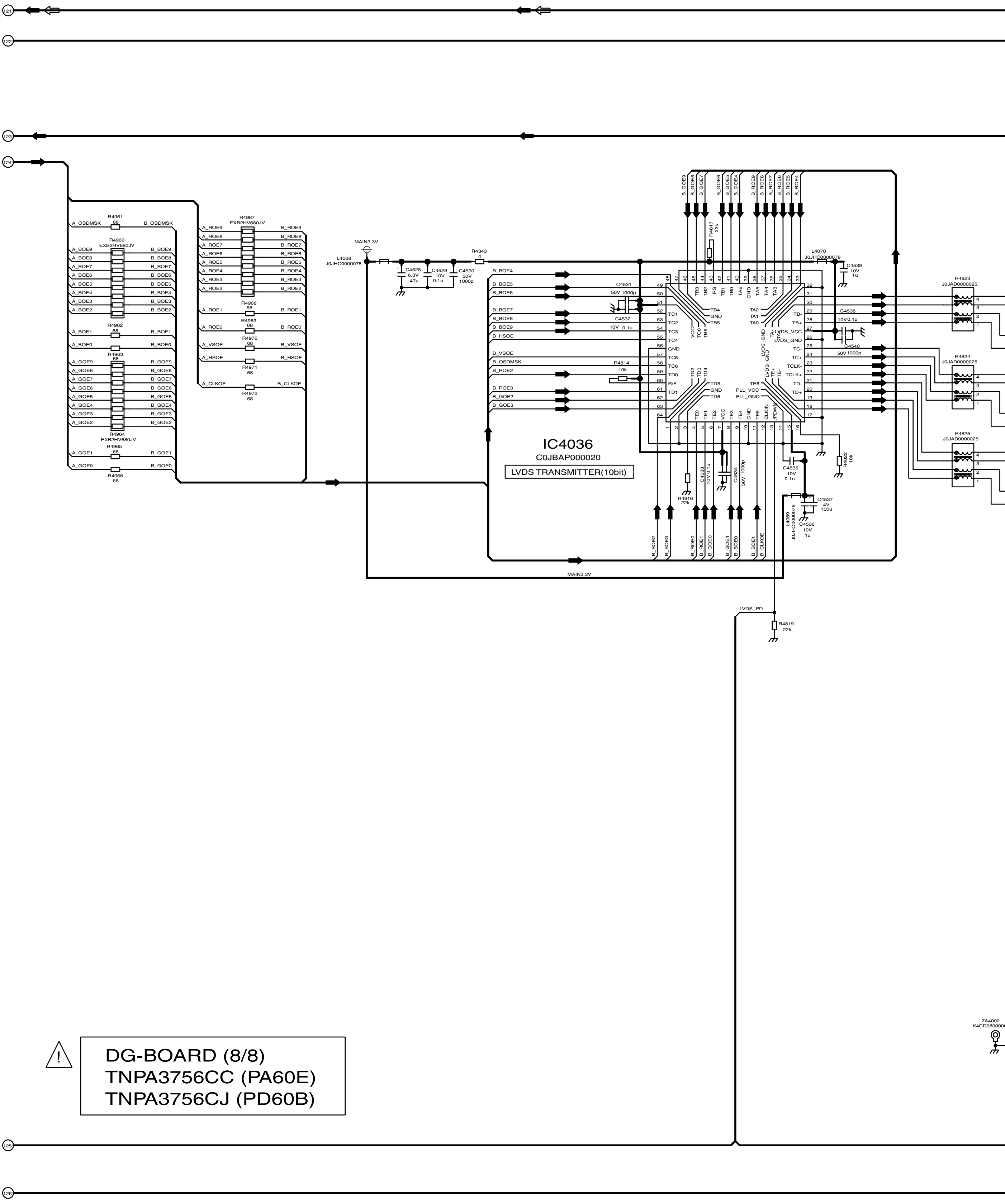


IC4035
C0CBCAF00031
DDR 2.5V
Thermal Pad
MAIN3.3V
L4066
J0JHC0000078
R4269
R4342
C4493
C4494
C4498
R4265
R4257
C4023
C4496
C4497
IC4032
C0DBGYY00052
MAIN 1.2V
MAIN1.8V
MAIN1.2V
R4033
C4007
C4470
C4008
C4474
VIN
NC
CONT
VOUT
GND
CN
PORT-E
(output for Panel)
IC4037
ROE9
ROE8
ROE7
ROE6
ROE5
ROE4
ROE3
ROE2
ROE1
ROE0
VSOE
HSOE
CLKOE
ROF9
ROF8
ROF7
ROF6
ROF5
ROF4
ROF3
ROF2
ROF1
ROF0
VSOF
HSOF
CLKOF
VCOIN
FRCLKIN
EXCLKIN
XTALOUT
XTALIN
IC4038
C3ABQJ000048
128M DDR SDRAM
DDR_2.5V
TP4041
R4772
EXB2HV470JV
R4774
R4776
R4778
R4788
R4796
R4791
R4792
R4793
R4794
R4804
R4805
R4806
R4810
0.49-0.51VDDQ
VREF
VDD
VDDQ
VSS
VSSQ
VSS_Thermal
DM3
DM2
DM1
DM0
RFU1
RFU2
CKE
RAS
CAS
WE
CK
CK
DQS3
DQS2
DQS1
DQS0
MCL
CS
Must Connect Low

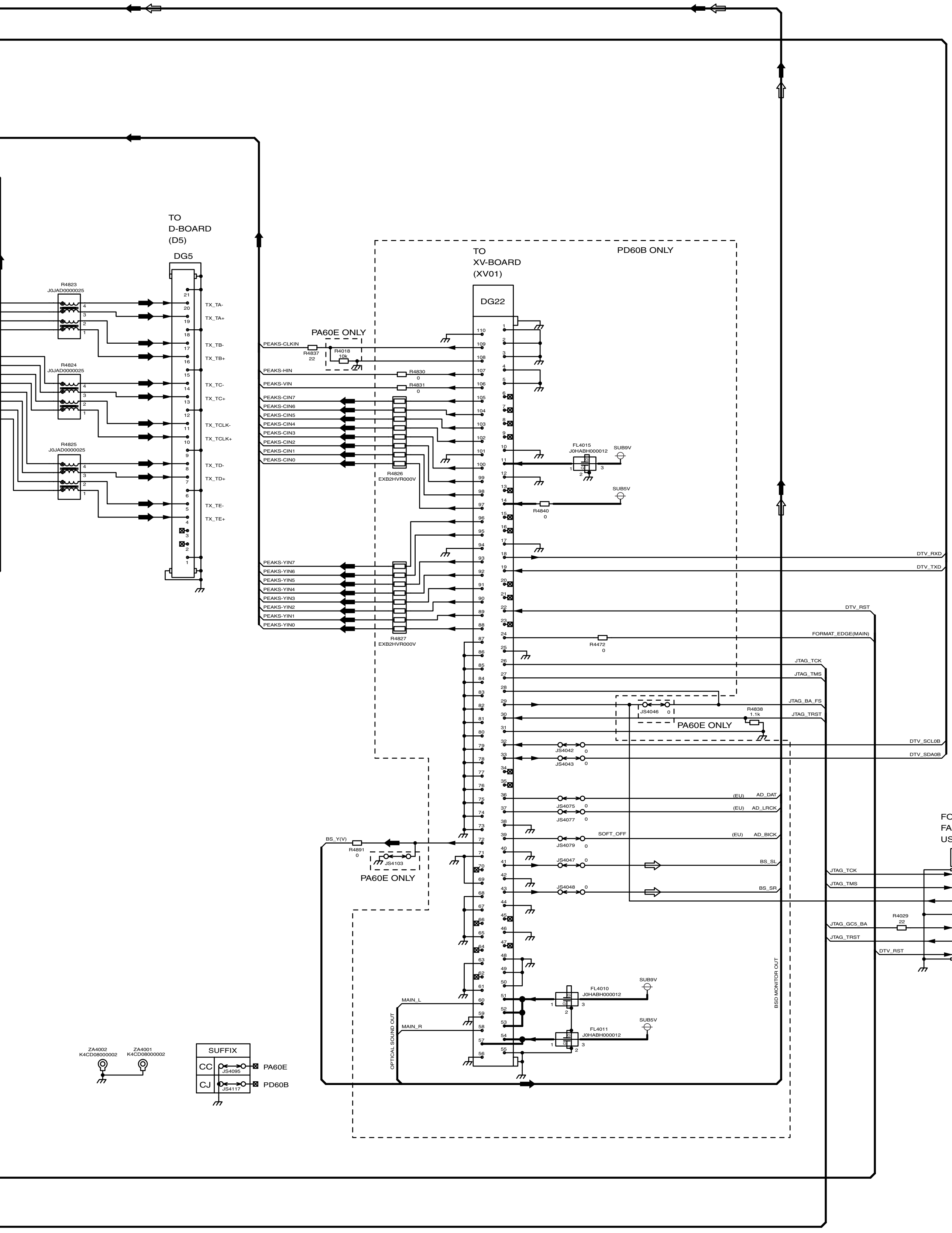
TH-37/42PA60E, TH-37/42PD60B DG-Board (7 of 8) Schematic Diagram

59	60	61	62	63

14.36. DG-Board (8 of 8) Schematic Diagram


121
122
123
124
125
126
R4961 68
A_OSDMSK
B_OSDMSK
R4960 EXB2HV680JV
A_BOE9 … A_BOE2
B_BOE9 … B_BOE2
R4962 68
A_BOE1
B_BOE1
A_BOE0
B_BOE0
R4963 68
A_GOE9 … A_GOE2
B_GOE9 … B_GOE2
R4964 EXB2HV680JV
R4965 68
A_GOE1
B_GOE1
A_GOE0
B_GOE0
R4966 68
R4967 EXB2HV680JV
A_ROE9 … A_ROE2
B_ROE9 … B_ROE2
R4968 68
A_ROE1
B_ROE1
R4969 68
A_ROE0
B_ROE0
R4970 68
A_VSOE
B_VSOE
R4971 68
A_HSOE
B_HSOE
R4972 68
A_CLKOE
B_CLKOE
MAIN3.3V
L4068 J0JHC0000078
C4528 6.3V 47u
C4529 10V 0.1u
C4530 50V 1000p
R4343 0
C4531 50V 1000p
C4532 10V 0.1u
R4814 10k
R4817 22k
L4070 J0JHC0000078
C4539 10V 1u
C4538 10V 0.1u
C4540 50V 1000p
R4823 J0JAD0000025
R4824 J0JAD0000025
R4825 J0JAD0000025
IC4036
C0JBAP000020
LVDS TRANSMITTER(10bit)
C4533 10V 0.1u
C4534 50V 1000p
R4816 22k
C4535 10V 0.1u
R4822 10k
C4537 4V 100u
C4536 10V 1u
L4069 J0JHC0000078
LVDS_PD
R4819 22k
ZA4002 K4CD080000
MAIN3.3V

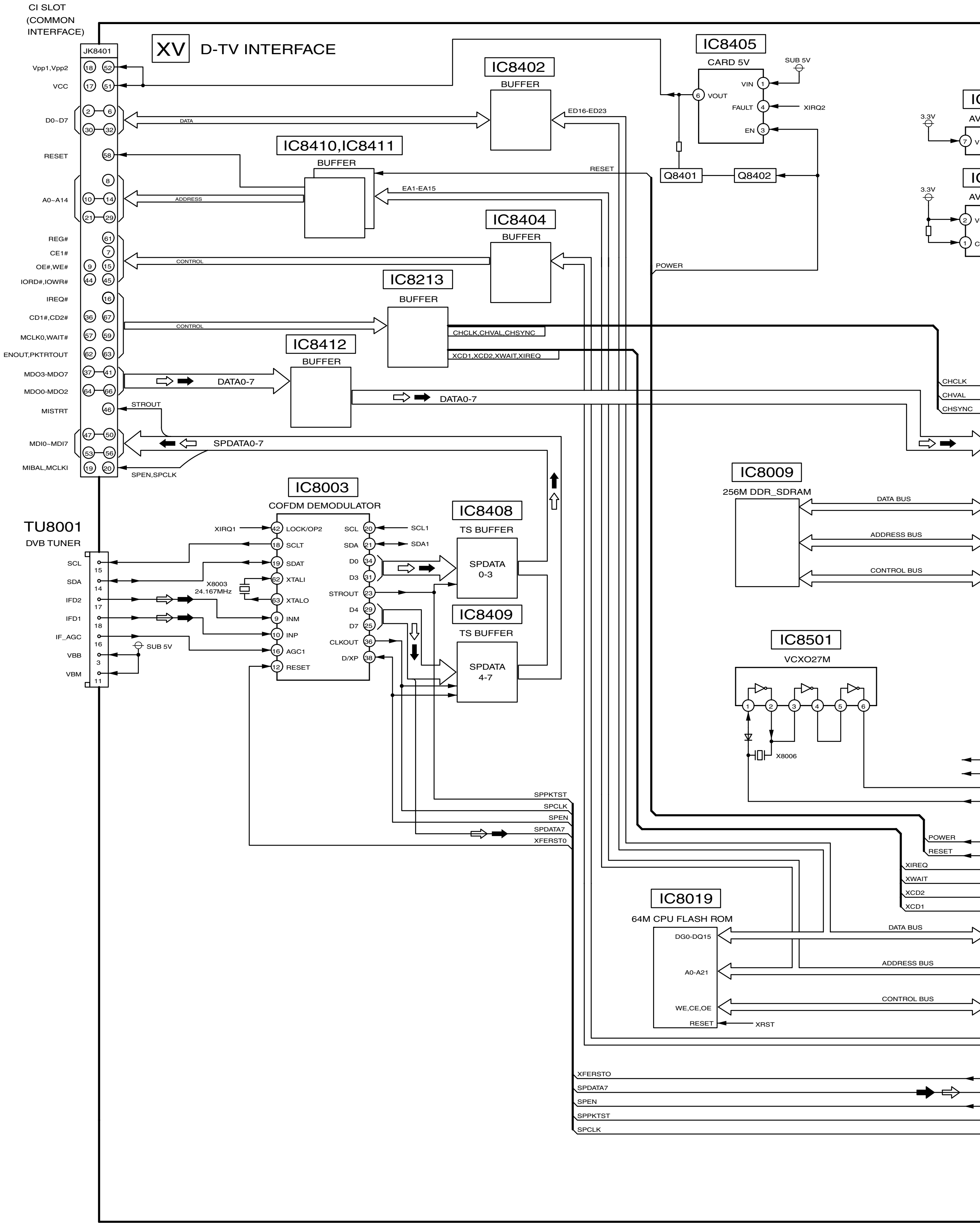
⚠ DG-BOARD (8/8)
TNPA3756CC (PA60E)
TNPA3756CJ (PD60B)

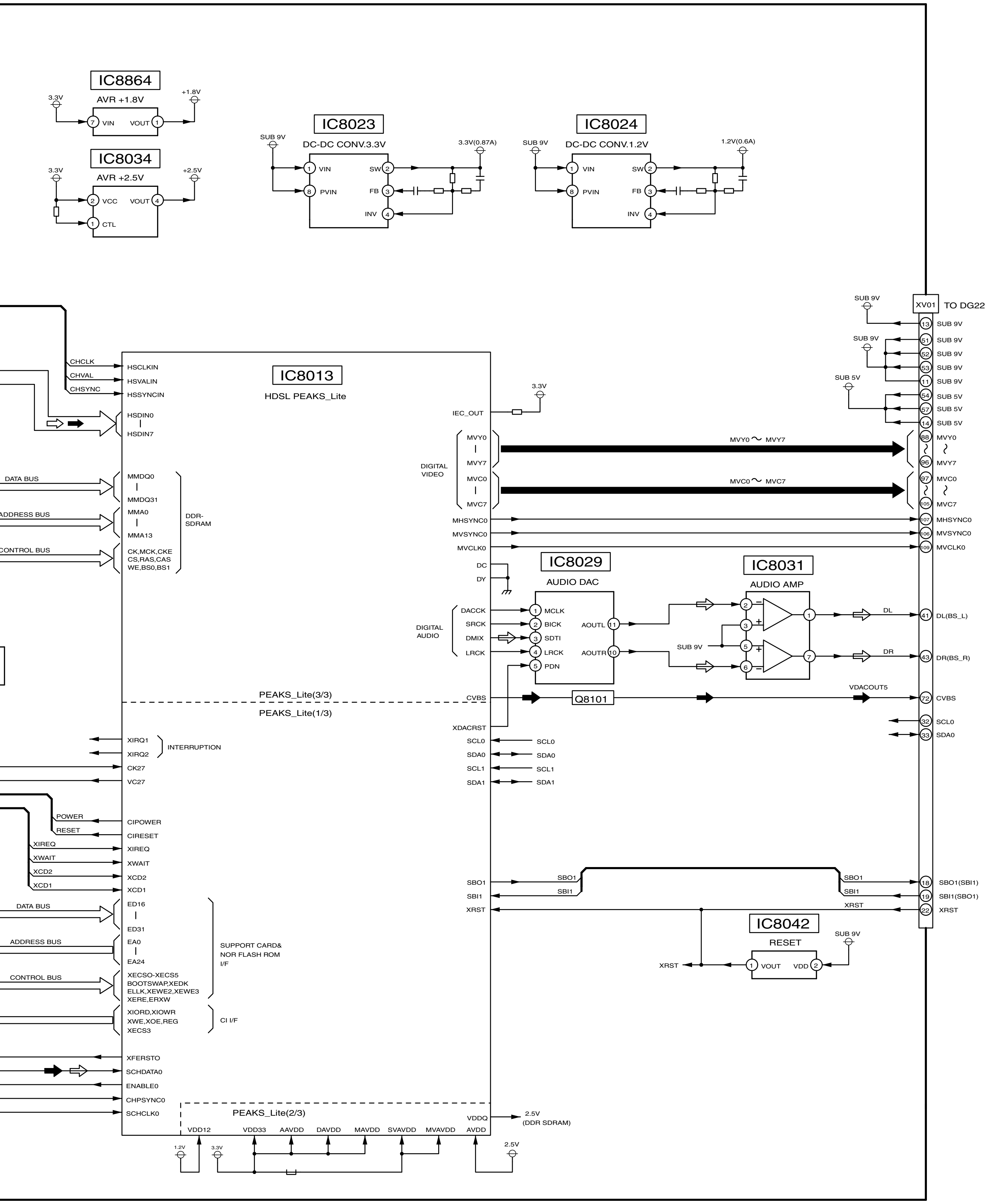

TO
D-BOARD
(D5)
DG5
R4823
J0JAD0000025
R4824
J0JAD0000025
R4825
J0JAD0000025
TX_TA-
TX_TA+
TX_TB-
TX_TB+
TX_TC-
TX_TC+
TX_TCLK-
TX_TCLK+
TX_TD-
TX_TD+
TX_TE-
TX_TE+
TO
XV-BOARD
(XV01)
PD60B ONLY
DG22
PA60E ONLY
PEAKS-CLKIN
R4837
22
R4018
10k
PEAKS-HIN
R4830
0
PEAKS-VIN
R4831
0
PEAKS-CIN7
PEAKS-CIN6
PEAKS-CIN5
PEAKS-CIN4
PEAKS-CIN3
PEAKS-CIN2
PEAKS-CIN1
PEAKS-CIN0
R4826
EXB2HVR000V
FL4015
J0HABH000012
SUB9V
SUB5V
R4840
0
PEAKS-YIN7
PEAKS-YIN6
PEAKS-YIN5
PEAKS-YIN4
PEAKS-YIN3
PEAKS-YIN2
PEAKS-YIN1
PEAKS-YIN0
R4827
EXB2HVR000V
DTV_RXD
DTV_TXD
DTV_RST
FORMAT_EDGE(MAIN)
R4472
0
JTAG_TCK
JTAG_TMS
JTAG_BA_FS
JTAG_TRST
JS4046
0
R4838
1.1k
PA60E ONLY
DTV_SCL0B
DTV_SDA0B
JS4042
0
JS4043
0
(EU)
AD_DAT
JS4075
0
(EU)
AD_LRCK
JS4077
0
SOFT_OFF
(EU)
AD_BICK
JS4079
0
BS_Y(V)
R4891
0
JS4103
PA60E ONLY
JS4047
0
BS_SL
JS4048
0
BS_SR
FOR
FACTORY
USE
DG
35
JTAG_TCK
JTAG_TMS
JTAG_GC5_BA
JTAG_TRST
DTV_RST
R4029
22
TCK
TMS
TDI
GND
TDO
TRST
XRST
BSD MONITOR OUT
FL4010
J0HABH000012
SUB9V
SUB5V
FL4011
J0HABH000012
MAIN_L
MAIN_R
OPTICAL SOUND OUT
ZA4002
K4CD08000002
ZA4001
K4CD08000002
SUFFIX
CC
JS4095
PA60E
CJ
JS4117
PD60B

TH-37/42PA60E, TH-37/42PD60B
DG-Board (8 of 8) Schematic Diagram

68 69 70 71 72

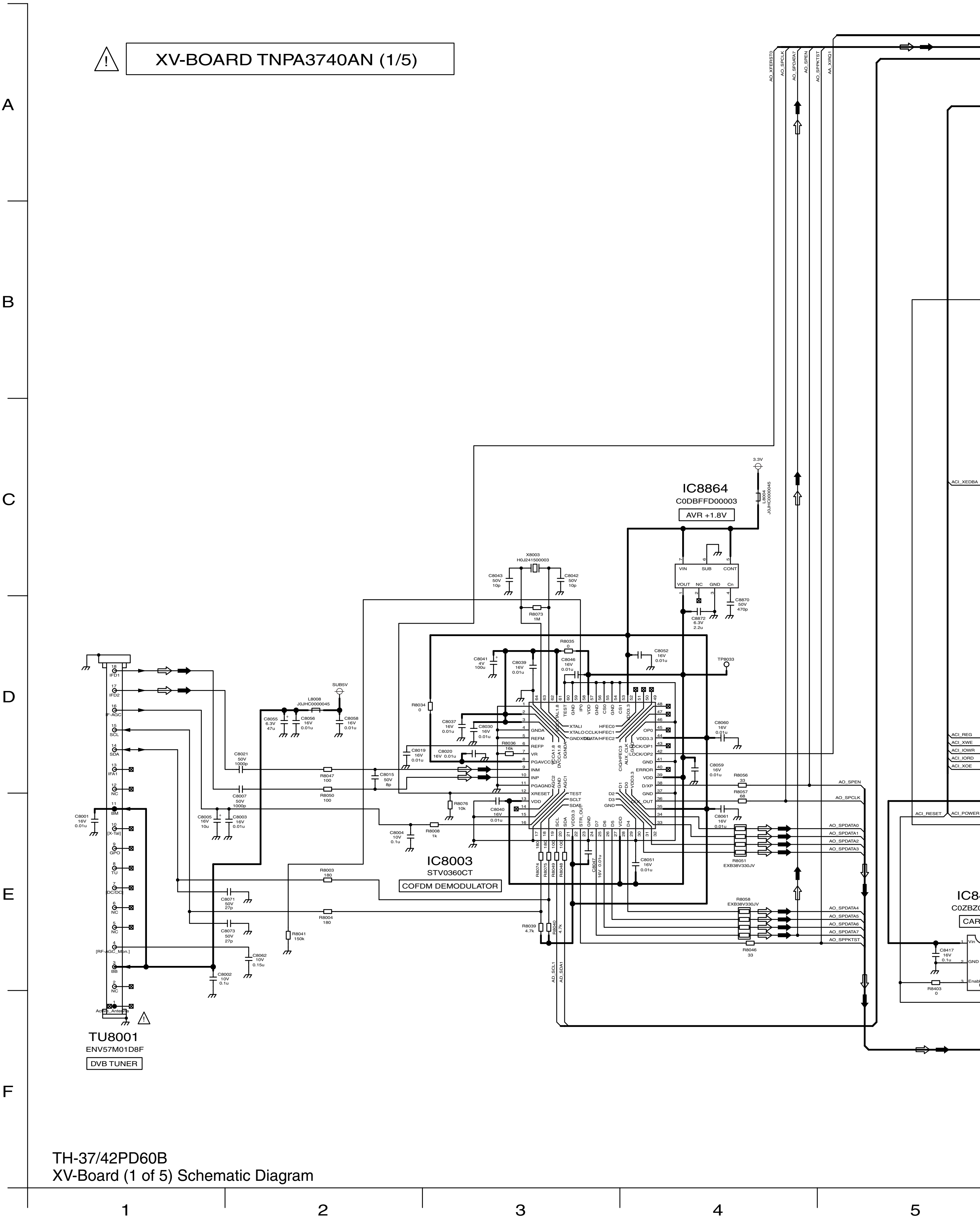
14.37. XV-Board Block Diagram (PD60B)

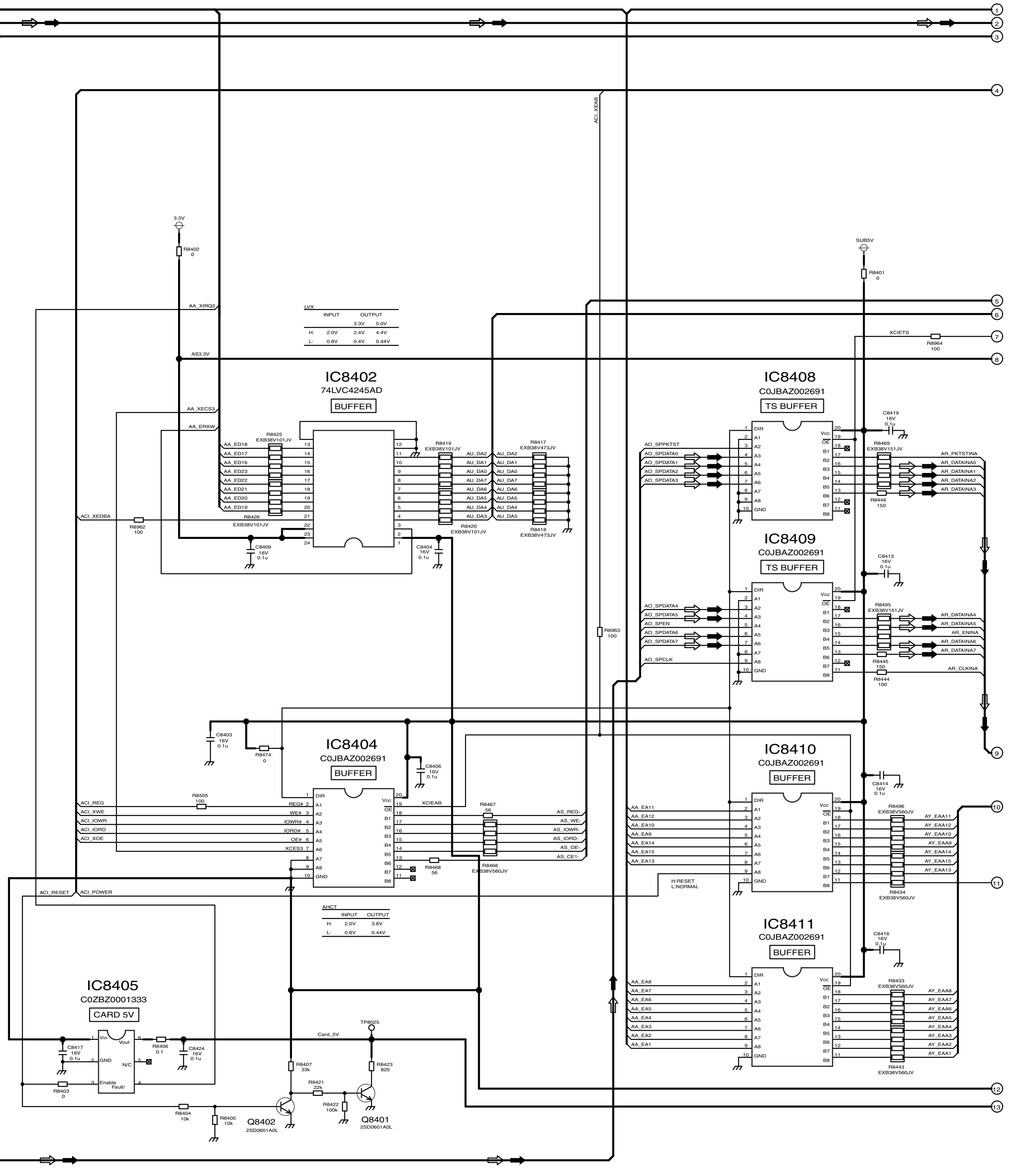

CI SLOT
(COMMON
INTERFACE)
JK8401
XV
D-TV INTERFACE
Vpp1,Vpp2
VCC
D0~D7
RESET
A0~A14
REG#
CE1#
OE#,WE#
IORD#,IOWR#
IREQ#
CD1#,CD2#
MCLK0,WAIT#
ENOUT,PKTRTOUT
MDO3-MDO7
MDO0-MDO2
MISTRT
MDI0~MDI7
MIBAL,MCLKI
IC8402
BUFFER
DATA
ED16-ED23
IC8410,IC8411
BUFFER
ADDRESS
EA1-EA15
RESET
IC8404
BUFFER
CONTROL
IC8213
BUFFER
CHCLK,CHVAL,CHSYNC
XCD1,XCD2,XWAIT,XIREQ
IC8412
BUFFER
DATA0-7
STROUT
SPDATA0-7
SPEN,SPCLK
IC8405
CARD 5V
SUB 5V
VIN
VOUT
FAULT
XIRQ2
EN
Q8401
Q8402
POWER
3.3V
AV
CHCLK
CHVAL
CHSYNC
IC8009
256M DDR_SDRAM
DATA BUS
ADDRESS BUS
CONTROL BUS
IC8003
COFDM DEMODULATOR
XIRQ1
LOCK/OP2
SCLT
SDAT
XTALI
XTALO
INM
INP
AGC1
RESET
SCL
SDA
D0
D3
STROUT
D4
D7
CLKOUT
D/XP
SCL1
SDA1
X8003
24.167MHz
TU8001
DVB TUNER
SCL
SDA
IFD2
IFD1
IF_AGC
VBB
VBM
SUB 5V
IC8408
TS BUFFER
SPDATA
0-3
IC8409
TS BUFFER
SPDATA
4-7
IC8501
VCXO27M
X8006
SPPKTST
SPCLK
SPEN
SPDATA7
XFERST0
POWER
RESET
XIREQ
XWAIT
XCD2
XCD1
IC8019
64M CPU FLASH ROM
DG0-DQ15
A0-A21
WE,CE,OE
RESET
XRST
DATA BUS
ADDRESS BUS
CONTROL BUS
XFERSTO
SPDATA7
SPEN
SPPKTST
SPCLK


IC8864
AVR +1.8V
3.3V
+1.8V
VIN
VOUT
IC8034
AVR +2.5V
3.3V
+2.5V
VCC
VOUT
CTL
IC8023
DC-DC CONV.3.3V
SUB 9V
3.3V(0.87A)
VIN
PVIN
SW
FB
INV
IC8024
DC-DC CONV.1.2V
SUB 9V
1.2V(0.6A)
VIN
PVIN
SW
FB
INV
XV01
TO DG22
SUB 9V
SUB 5V
MVY0
MVY7
MVC0
MVC7
MHSYNC0
MVSYNC0
MVCLK0
DL(BS_L)
DR(BS_R)
CVBS
SCL0
SDA0
SBO1(SBI1)
SBI1(SBO1)
XRST
CHCLK
CHVAL
CHSYNC
HSCLKIN
HSVALIN
HSSYNCIN
HSDIN0
HSDIN7
IC8013
HDSL PEAKS_Lite
DATA BUS
ADDRESS BUS
CONTROL BUS
MMDQ0
MMDQ31
MMA0
MMA13
CK,MCK,CKE
CS,RAS,CAS
WE,BS0,BS1
DDR-SDRAM
IEC_OUT
3.3V
DIGITAL VIDEO
MVY0
MVY7
MVC0
MVC7
MVY0 ~ MVY7
MVC0 ~ MVC7
MHSYNC0
MVSYNC0
MVCLK0
DC
DY
IC8029
AUDIO DAC
DIGITAL AUDIO
DACCK
SRCK
DMIX
LRCK
MCLK
BICK
SDTI
LRCK
PDN
AOUTL
AOUTR
IC8031
AUDIO AMP
SUB 9V
DL
DR
PEAKS_Lite(3/3)
PEAKS_Lite(1/3)
CVBS
Q8101
VDACOUT5
XDACRST
XIRQ1
XIRQ2
INTERRUPTION
CK27
VC27
SCL0
SDA0
SCL1
SDA1
POWER
RESET
CIPOWER
CIRESET
XIREQ
XWAIT
XCD2
XCD1
SBO1
SBI1
XRST
IC8042
RESET
SUB 9V
VOUT
VDD
ED16
ED31
EA0
EA24
XECSO-XECS5
BOOTSWAP,XEDK
ELLK,XEWE2,XEWE3
XERE,ERXW
SUPPORT CARD&
NOR FLASH ROM
I/F
XIORD,XIOWR
XWE,XOE,REG
XECS3
CI I/F
XFERSTO
SCHDATA0
ENABLE0
CHPSYNC0
SCHCLK0
PEAKS_Lite(2/3)
VDDQ
2.5V
(DDR SDRAM)
VDD12
VDD33
AAVDD
DAVDD
MAVDD
SVAVDD
MVAVDD
AVDD
1.2V
3.3V
2.5V

TH-37/42PD60B
XV-Board Block Diagram

14.38. XV-Board (1 of 5) Schematic Diagram (PD60B)

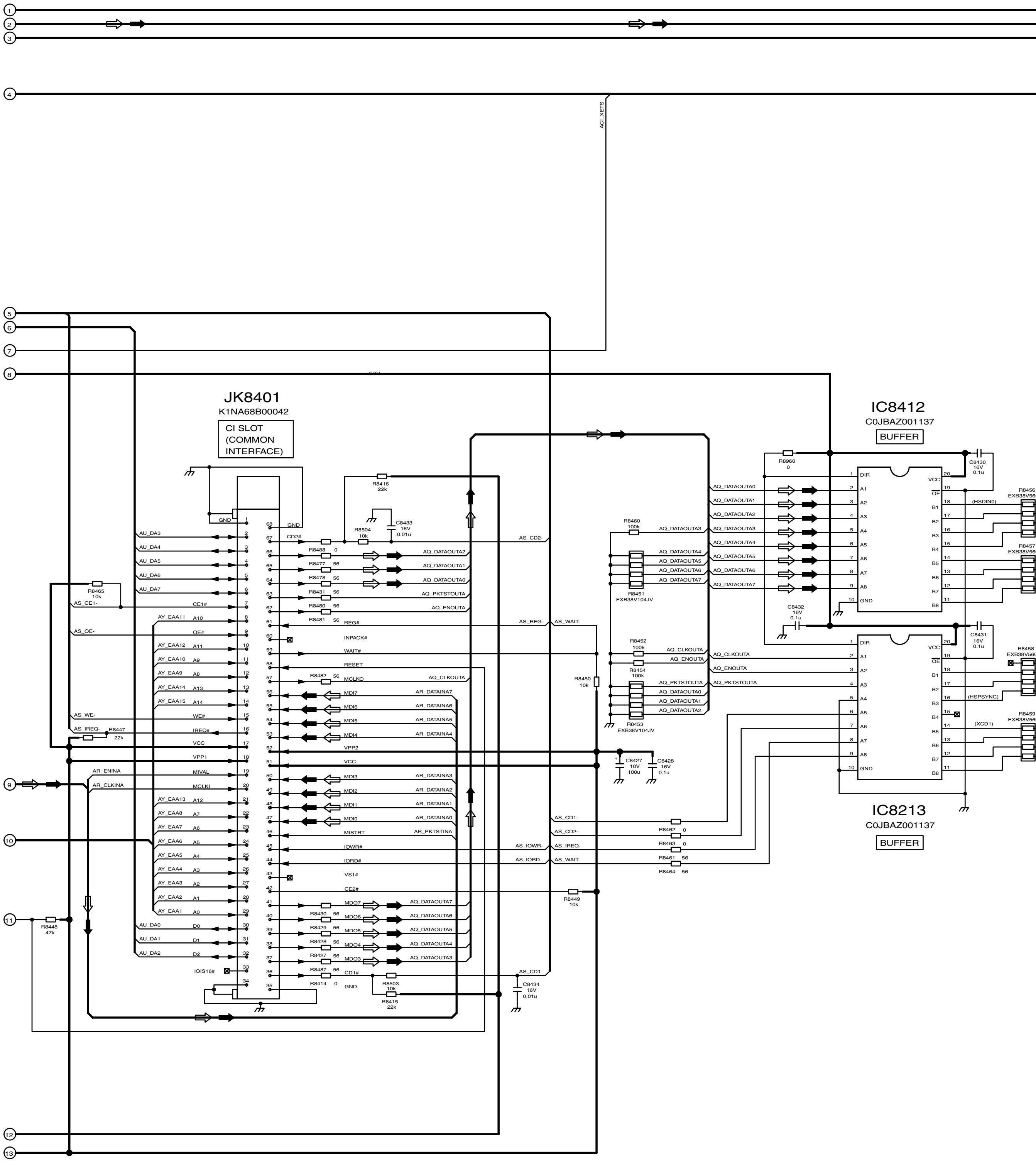

XV-BOARD TNPA3740AN (1/5)
A
B
C
D
E
F
1
2
3
4
5
IC8864
C0DBFFD00003
AVR +1.8V
VIN
SUB
CONT
VOUT
NC
GND
Cn
3.3V
L8004
J0JHC0000045
C8870
50V
470p
C8872
6.3V
2.2u
X8003
H0J241500003
C8043
50V
10p
C8042
50V
10p
R8073
1M
R8035
0
C8052
16V
0.01u
TP8033
C8041
4V
100u
C8039
16V
0.01u
C8046
16V
0.01u
R8034
0
C8037
16V
0.01u
C8030
16V
0.01u
R8036
16k
C8019
16V
0.01u
C8020
16V 0.01u
C8060
16V
0.01u
C8059
16V
0.01u
R8056
33
R8057
68
C8061
16V
0.01u
R8051
EXB38V330JV
R8058
EXB38V330JV
R8046
33
C8015
50V
8p
R8047
100
R8050
100
R8076
10k
C8040
16V
0.01u
C8004
10V
0.1u
R8008
1k
IC8003
STV0360CT
COFDM DEMODULATOR
GNDA
REFM
REFP
VR
PGAVCC
INM
INP
PGAGND
XRESET
VDD
XTALI
XTALO
GNDXTAL
CCLK/HFEC1
DATA/HFEC2
HFEC0
OP0
VDD3.3
LOCK/OP1
LOCK/OP2
GND
ERROR
VDD
D/XP
GND
CLK_OUT
TEST
SCLT
SDAT
GND
D2
D3
D1
D0
SCL
SDA
VDD3.3
STR_OUT
GND
D7
D6
D5
VDD
D4
R8074
R8075
R8049
R8048
C8047
16V 0.01u
C8051
16V
0.01u
R8039
4.7k
R8040
4.7k
AD_SCL1
AD_SDA1
R8003
180
R8004
180
R8041
150k
C8071
50V
27p
C8073
50V
27p
C8062
10V
0.15u
C8002
10V
0.1u
C8021
50V
1000p
C8007
50V
1000p
C8005
16V
10u
C8003
16V
0.01u
C8001
16V
0.01u
C8055
6.3V
47u
C8056
16V
0.01u
C8058
16V
0.01u
L8008
J0JHC0000045
SUB5V
IFD1
IFD2
IF-AGC
SCL
SDA
IFA1
NC
BM
[X-Tal]
GPO
TU
DC/DC
NC
NC
[RF-AGC_Mon.]
BB
NC
Active_Antenna
TU8001
ENV57M01D8F
DVB TUNER
AO_XFERST0
AO_SPCLK
AO_SPDATA7
AO_SPEN
AO_SPPKTST
AA_XIRQ1
AO_SPEN
AO_SPCLK
AO_SPDATA0
AO_SPDATA1
AO_SPDATA2
AO_SPDATA3
AO_SPDATA4
AO_SPDATA5
AO_SPDATA6
AO_SPDATA7
AO_SPPKTST
ACI_XEDBA
ACI_REG
ACI_XWE
ACI_IOWR
ACI_IORD
ACI_XOE
ACI_RESET
ACI_POWER
C8417
16V
0.1u
R8403
0
Vin
GND
Enabl
C0ZBZ
CAR


IC8402
74LVC4245AD
BUFFER
IC8408
C0JBAZ002691
TS BUFFER
IC8409
C0JBAZ002691
TS BUFFER
IC8404
C0JBAZ002691
BUFFER
IC8410
C0JBAZ002691
BUFFER
IC8411
C0JBAZ002691
BUFFER
IC8405
C0ZBZ0001333
CARD 5V
Q8402
2SD0601A0L
Q8401
2SD0601A0L
3.3V
SUB5V
R8402
0
R8401
0
AA_XIRQ2
AS3.3V
AA_XECS3
AA_ERXW
ACI_XEDBA
ACI_XEAB
LVX
INPUT
OUTPUT
3.3V
5.0V
H:
2.0V
2.4V
4.4V
L:
0.8V
0.4V
0.44V
AHCT
INPUT
OUTPUT
H:
2.0V
3.8V
L:
0.8V
0.44V
XCIETS
R8964
100
R8963
100
R8962
100
AO_SPPKTST
AO_SPDATA0
AO_SPDATA1
AO_SPDATA2
AO_SPDATA3
AO_SPDATA4
AO_SPDATA5
AO_SPEN
AO_SPDATA6
AO_SPDATA7
AO_SPCLK
AR_PKTSTINA
AR_DATAINA0
AR_DATAINA1
AR_DATAINA2
AR_DATAINA3
AR_DATAINA4
AR_DATAINA5
AR_ENINA
AR_DATAINA6
AR_DATAINA7
AR_CLKINA
ACI_REG
ACI_XWE
ACI_IOWR
ACI_IORD
ACI_XOE
ACI_RESET
ACI_POWER
AS_REG-
AS_WE-
AS_IOWR-
AS_IORD-
AS_OE-
AS_CE1-
XCIEAB
H:RESET
L:NORMAL
Card_5V
TP8025
AA_EA11
AA_EA12
AA_EA10
AA_EA9
AA_EA14
AA_EA15
AA_EA13
AA_EA8
AA_EA7
AA_EA6
AA_EA5
AA_EA4
AA_EA3
AA_EA2
AA_EA1
AY_EAA11
AY_EAA12
AY_EAA10
AY_EAA9
AY_EAA14
AY_EAA15
AY_EAA13
AY_EAA8
AY_EAA7
AY_EAA6
AY_EAA5
AY_EAA4
AY_EAA3
AY_EAA2
AY_EAA1
AA_ED18
AA_ED17
AA_ED16
AA_ED23
AA_ED22
AA_ED21
AA_ED20
AA_ED19
AU_DA2
AU_DA1
AU_DA0
AU_DA7
AU_DA6
AU_DA5
AU_DA4
AU_DA3
①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪
⑫
⑬

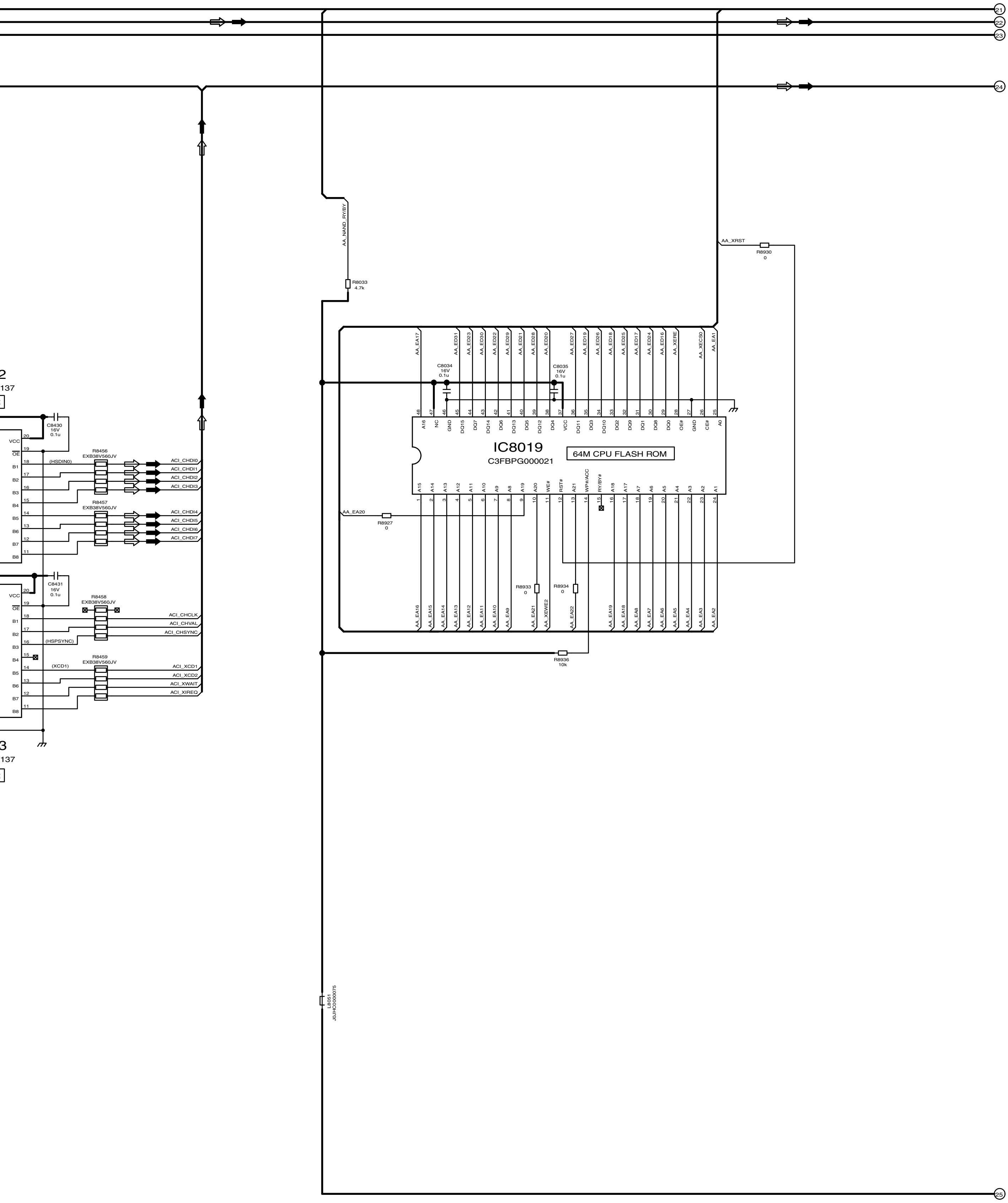
TH-37/42PD60B
XV-Board (1 of 5) Schematic Diagram

5 6 7 8 9

14.39. XV-Board (2 of 5) Schematic Diagram (PD60B)


JK8401
K1NA68B00042
CI SLOT
(COMMON
INTERFACE)
IC8412
C0JBAZ001137
BUFFER
IC8213
C0JBAZ001137
BUFFER
AU_DA3
AU_DA4
AU_DA5
AU_DA6
AU_DA7
AS_CE1-
AS_OE-
AS_WE-
AS_IREQ-
AR_ENINA
AR_CLKINA
AU_DA0
AU_DA1
AU_DA2
AS_CD2-
AS_REG-
AS_WAIT-
AS_CD1-
AS_IREQ-
AS_IOWR-
AS_IORD-
AQ_DATAOUTA0
AQ_DATAOUTA1
AQ_DATAOUTA2
AQ_DATAOUTA3
AQ_DATAOUTA4
AQ_DATAOUTA5
AQ_DATAOUTA6
AQ_DATAOUTA7
AQ_PKTSTOUTA
AQ_ENOUTA
AQ_CLKOUTA
AR_DATAINA0
AR_DATAINA1
AR_DATAINA2
AR_DATAINA3
AR_DATAINA4
AR_DATAINA5
AR_DATAINA6
AR_DATAINA7
AR_PKTSTINA
R8416
22k
R8504
10k
C8433
16V
0.01u
R8465
10k
R8447
22k
R8448
47k
R8460
100k
R8451
EXB38V104JV
R8452
100k
R8454
100k
R8453
EXB38V104JV
R8450
10k
C8427
10V
100u
C8428
16V
0.1u
R8449
10k
R8503
10k
R8415
22k
C8434
16V
0.01u
R8960
0
C8430
16V
0.1u
C8432
16V
0.1u
C8431
16V
0.1u
R8462
R8463
R8461
R8464
(HSDIN0)
(HSPSYNC)
(XCD1)
DIR
VCC
GND
ACI_XETS
1
2
3
4
5
6
7
8
9
10
11
12
13

XV-BOARD TNPA3740AN (2/5)

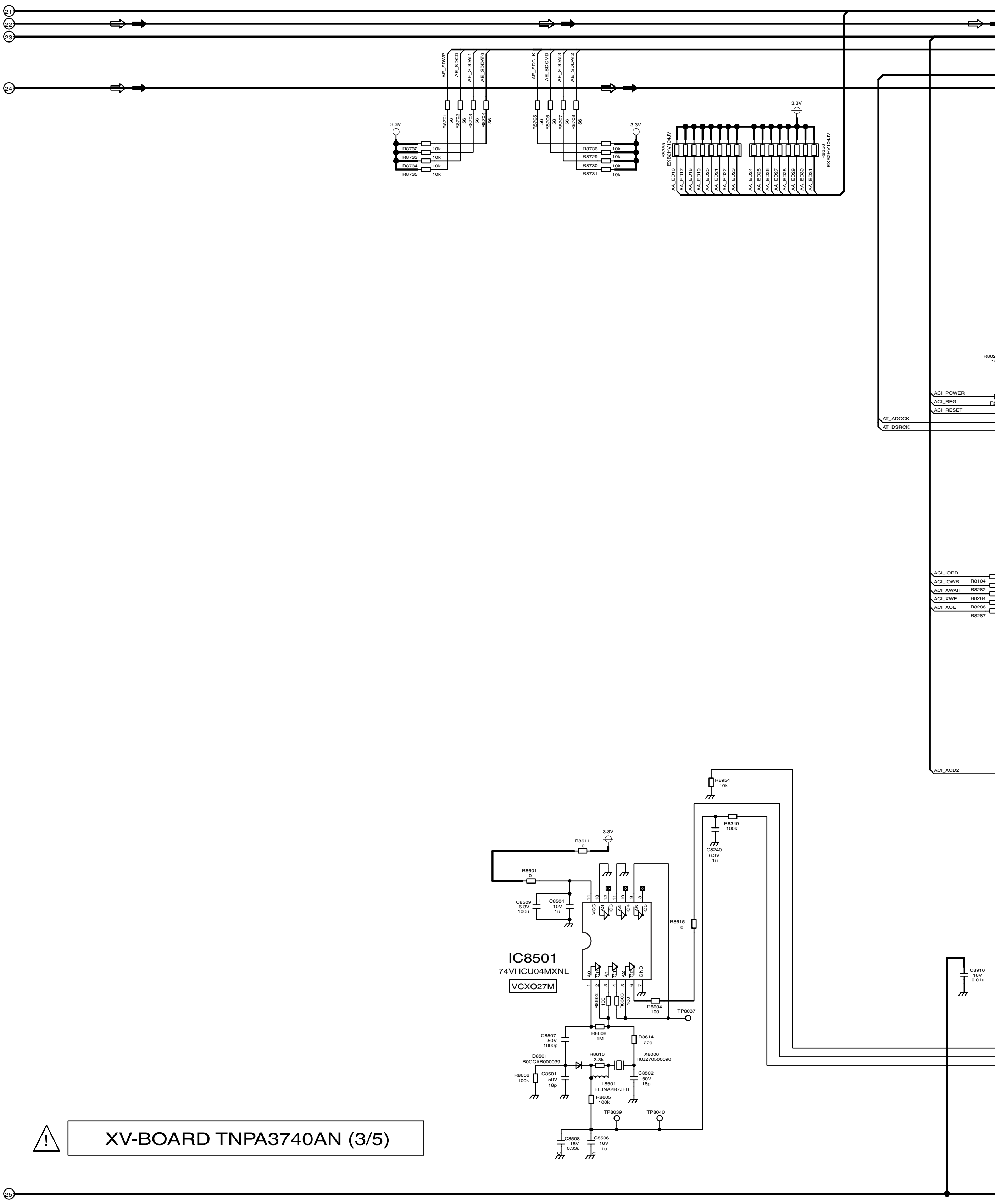


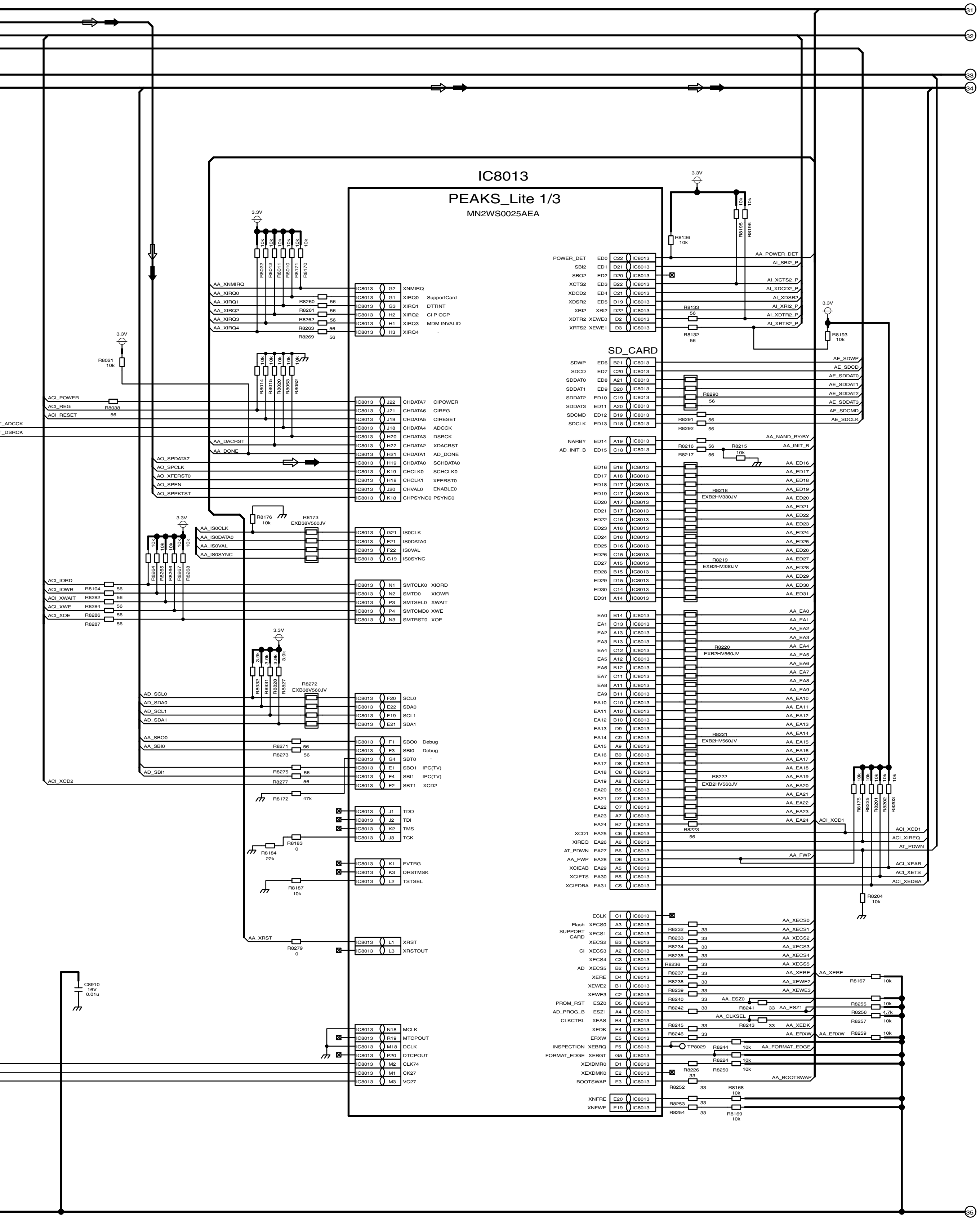
21
22
23
24
25
AA_NAND_RYBY
R8033
4.7k
AA_XRST
R8930
0
2
137
3
137
C8430
16V
0.1u
VCC
OE
B1
B2
B3
B4
B5
B6
B7
B8
20
19
18
17
16
15
14
13
12
11
(HSDIN0)
R8456
EXB38V560JV
ACI_CHDI0
ACI_CHDI1
ACI_CHDI2
ACI_CHDI3
R8457
EXB38V560JV
ACI_CHDI4
ACI_CHDI5
ACI_CHDI6
ACI_CHDI7
C8431
16V
0.1u
R8458
EXB38V560JV
ACI_CHCLK
ACI_CHVAL
ACI_CHSYNC
(HSPSYNC)
(XCD1)
R8459
EXB38V560JV
ACI_XCD1
ACI_XCD2
ACI_XWAIT
ACI_XIREQ
AA_EA17
AA_ED31
AA_ED23
AA_ED30
AA_ED22
AA_ED29
AA_ED21
AA_ED28
AA_ED20
AA_ED27
AA_ED19
AA_ED26
AA_ED18
AA_ED25
AA_ED17
AA_ED24
AA_ED16
AA_XERE
AA_XECS0
AA_EA1
C8034
16V
0.1u
C8035
16V
0.1u
48
47
46
45
44
43
42
41
40
39
38
37
36
35
34
33
32
31
30
29
28
27
26
25
A16
NC
GND
DQ15
DQ7
DQ14
DQ6
DQ13
DQ5
DQ12
DQ4
VCC
DQ11
DQ3
DQ10
DQ2
DQ9
DQ1
DQ8
DQ0
OE#
GND
CE#
A0
IC8019
C3FBPG000021
64M CPU FLASH ROM
A15
A14
A13
A12
A11
A10
A9
A8
A19
A20
WE#
RST#
A21
WP#/ACC
RY/BY#
A18
A17
A7
A6
A5
A4
A3
A2
A1
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
AA_EA20
R8927
0
R8933
0
R8934
0
AA_EA16
AA_EA15
AA_EA14
AA_EA13
AA_EA12
AA_EA11
AA_EA10
AA_EA9
AA_EA21
AA_XEWE2
AA_EA22
AA_EA19
AA_EA18
AA_EA8
AA_EA7
AA_EA6
AA_EA5
AA_EA4
AA_EA3
AA_EA2
R8936
10k
L8051
J0JHC0000075

TH-37/42PD60B
XV-Board (2 of 5) Schematic Diagram

14 15 16 17 18

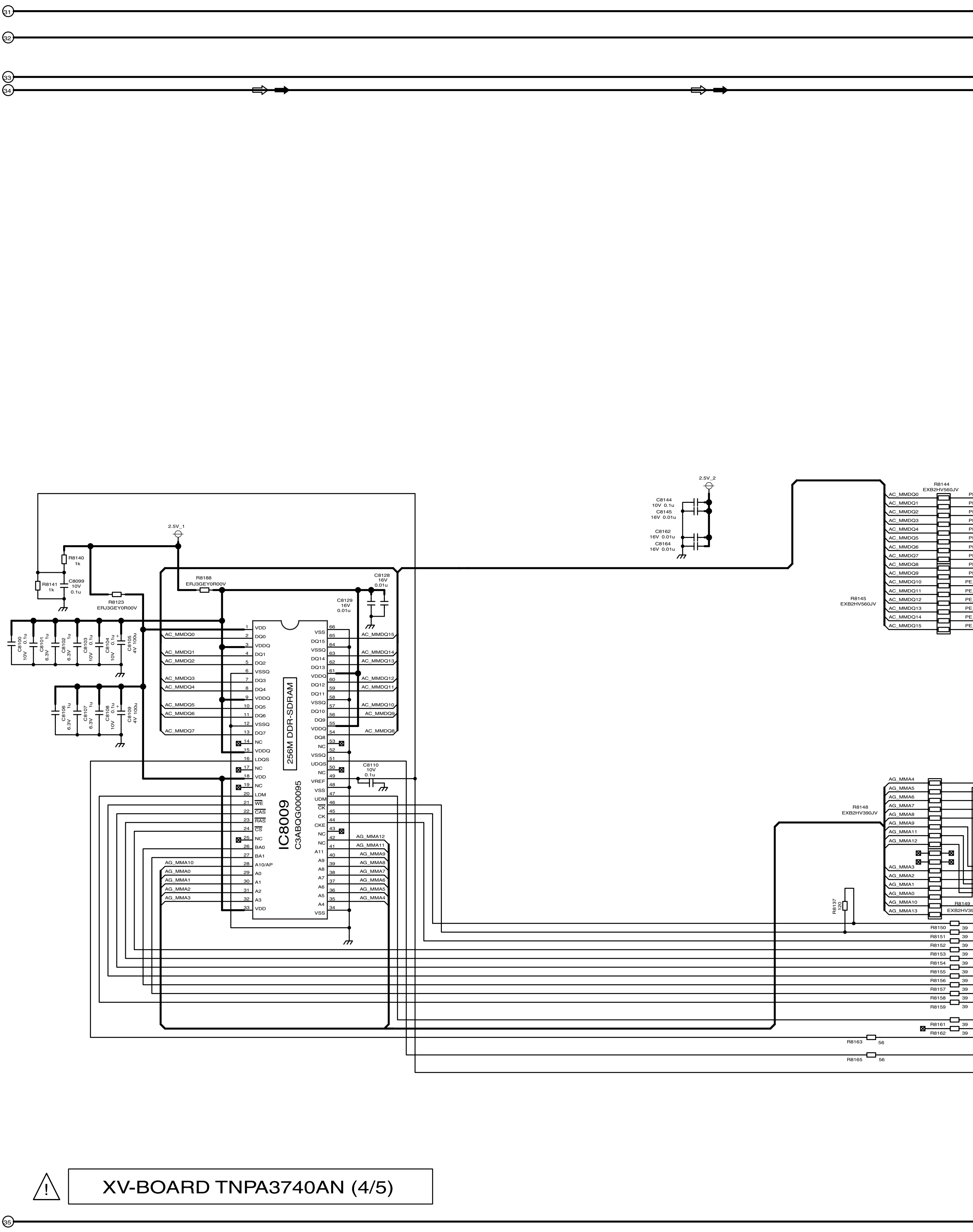
14.40. XV-Board (3 of 5) Schematic Diagram (PD60B)


21
22
23
24
25
AE_SDWP
AE_SDCD
AE_SDDAT1
AE_SDDAT0
AE_SDCLK
AE_SDCMD
AE_SDDAT3
AE_SDDAT2
R8701 56
R8702 56
R8703 56
R8704 56
R8705 56
R8706 56
R8707 56
R8708 56
3.3V
R8732 10k
R8733 10k
R8734 10k
R8735 10k
3.3V
R8736 10k
R8729 10k
R8730 10k
R8731 10k
R8355
EXB2HV104JV
3.3V
R8356
EXB2HV104JV
AA_ED16
AA_ED17
AA_ED18
AA_ED19
AA_ED20
AA_ED21
AA_ED22
AA_ED23
AA_ED24
AA_ED25
AA_ED26
AA_ED27
AA_ED28
AA_ED29
AA_ED30
AA_ED31
R802
ACI_POWER
ACI_REG
ACI_RESET
AT_ADCCK
AT_DSRCK
ACI_IORD
ACI_IOWR
ACI_XWAIT
ACI_XWE
ACI_XOE
R8104
R8282
R8284
R8286
R8287
ACI_XCD2
R8954 10k
R8349 100k
C8240 6.3V 1u
3.3V
R8611 0
R8601 0
C8509 6.3V 100u
C8504 10V 1u
R8615 0
IC8501
74VHCU04MXNL
VCXO27M
VCC
A3
O3
A4
O4
A5
O5
A0
O0
A1
O1
A2
O2
GND
14
13
12
11
10
9
8
1
2
3
4
5
6
7
R8602 100
R8603 100
R8604 100
TP8037
C8507 50V 1000p
R8608 1M
R8614 220
D8501 B0CCAB000039
R8610 3.3k
X8006 H0J270500090
R8606 100k
C8501 50V 18p
L8501 ELJNA2R7JFB
C8502 50V 18p
R8605 100k
TP8039
TP8040
C8508 16V 0.33u
C8506 16V 1u
C8910 16V 0.01u
XV-BOARD TNPA3740AN (3/5)

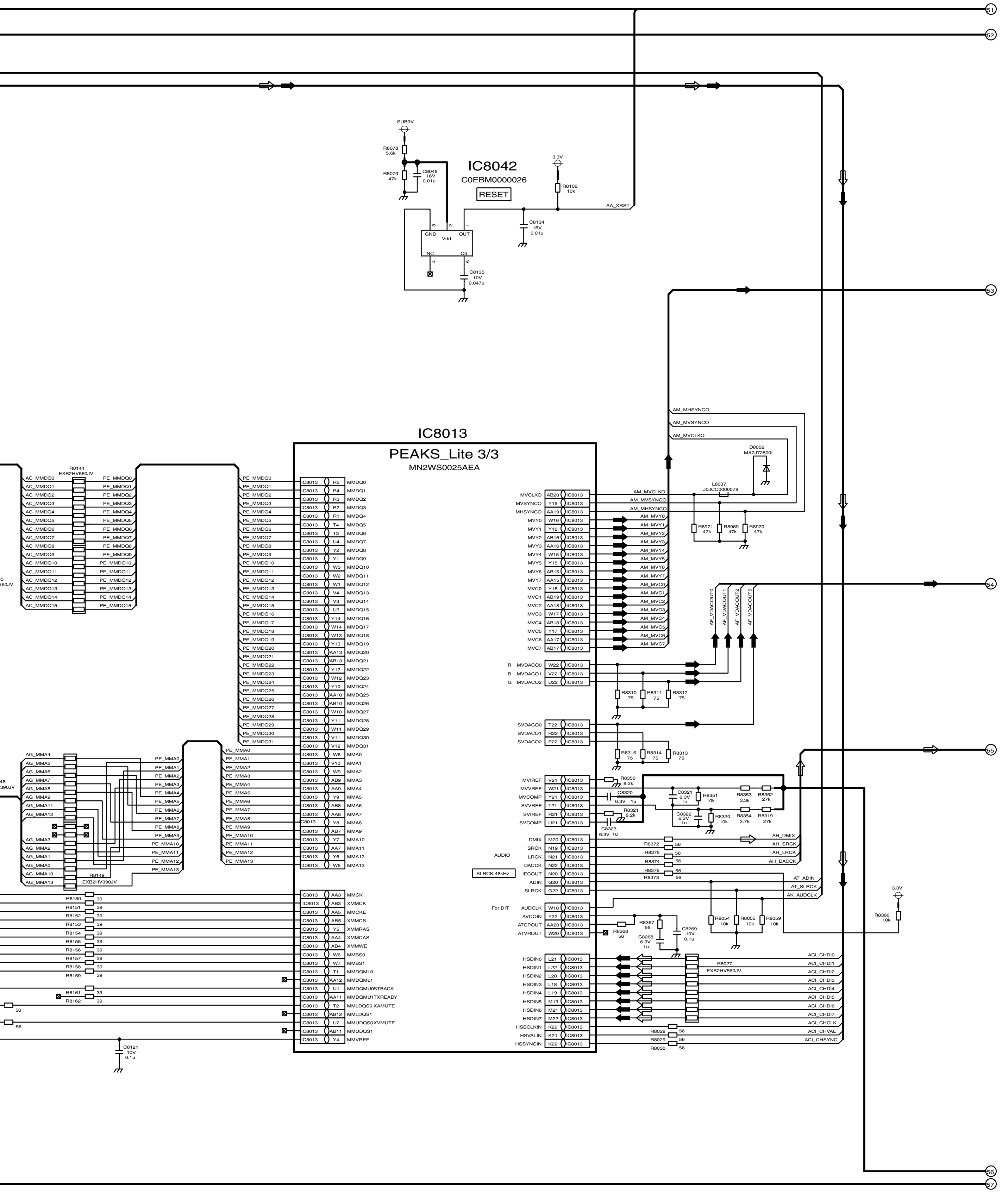

IC8013
PEAKS_Lite 1/3
MN2WS0025AEA
SD_CARD
3.3V
AA_XNMIRQ
AA_XIRQ0
AA_XIRQ1
AA_XIRQ2
AA_XIRQ3
AA_XIRQ4
ACI_POWER
ACI_REG
ACI_RESET
AA_DACRST
AA_DONE
AO_SPDATA7
AO_SPCLK
AO_XFERST0
AO_SPEN
AO_SPPKTST
AA_IS0CLK
AA_IS0DATA0
AA_IS0VAL
AA_IS0SYNC
ACI_IORD
ACI_IOWR
ACI_XWAIT
ACI_XWE
ACI_XOE
AD_SCL0
AD_SDA0
AD_SCL1
AD_SDA1
AA_SBO0
AA_SBI0
AD_SBI1
ACI_XCD2
AA_XRST
C8910
16V
0.01u
AA_POWER_DET
AI_SBI2_P
AI_XCTS2_P
AI_XDCD2_P
AI_XDSR2
AI_XRI2_P
AI_XDTR2_P
AI_XRTS2_P
AE_SDWP
AE_SDCD
AE_SDDAT0
AE_SDDAT1
AE_SDDAT2
AE_SDDAT3
AE_SDCMD
AE_SDCLK
AA_NAND_RY/BY
AA_INIT_B
ACI_XCD1
ACI_XIREQ
AT_PDWN
ACI_XEAB
ACI_XETS
ACI_XEDBA
AA_FWP
AA_XERE
AA_ERXW
AA_FORMAT_EDGE
AA_BOOTSWAP
TP8029
31
32
33
34
35

TH-37/42PD60B
XV-Board (3 of 5) Schematic Diagram

14.41. XV-Board (4 of 5) Schematic Diagram (PD60B)


31
32
33
34
2.5V_1
R8140
1k
R8141
1k
C8099
10V
0.1u
R8123
ERJ3GEY0R00V
R8188
ERJ3GEY0R00V
C8128
16V
0.01u
C8129
16V
0.01u
C8100
0.1u
10V
C8101
1u
6.3V
C8102
1u
6.3V
C8103
0.1u
10V
C8104
0.1u
10V
C8105
4V 100u
C8106
1u
6.3V
C8107
1u
6.3V
C8108
0.1u
10V
C8109
4V 100u
C8110
10V
0.1u
IC8009
C3ABQG000095
256M DDR-SDRAM
1 VDD
2 DQ0
3 VDDQ
4 DQ1
5 DQ2
6 VSSQ
7 DQ3
8 DQ4
9 VDDQ
10 DQ5
11 DQ6
12 VSSQ
13 DQ7
14 NC
15 VDDQ
16 LDQS
17 NC
18 VDD
19 NC
20 LDM
21 WE
22 CAS
23 RAS
24 CS
25 NC
26 BA0
27 BA1
28 A10/AP
29 A0
30 A1
31 A2
32 A3
33 VDD
66 VSS
65 DQ15
64 VSSQ
63 DQ14
62 DQ13
61 VDDQ
60 DQ12
59 DQ11
58 VSSQ
57 DQ10
56 DQ9
55 VDDQ
54 DQ8
53 NC
52 VSSQ
51 UDQS
50 NC
49 VREF
48 VSS
47 UDM
46 CK
45 CK
44 CKE
43 NC
42 NC
41 A11
40 A9
39 A8
38 A7
37 A6
36 A5
35 A4
34 VSS
AC_MMDQ0
AC_MMDQ1
AC_MMDQ2
AC_MMDQ3
AC_MMDQ4
AC_MMDQ5
AC_MMDQ6
AC_MMDQ7
AC_MMDQ8
AC_MMDQ9
AC_MMDQ10
AC_MMDQ11
AC_MMDQ12
AC_MMDQ13
AC_MMDQ14
AC_MMDQ15
AG_MMA10
AG_MMA0
AG_MMA1
AG_MMA2
AG_MMA3
AG_MMA12
AG_MMA11
AG_MMA9
AG_MMA8
AG_MMA7
AG_MMA6
AG_MMA5
AG_MMA4
2.5V_2
C8144
10V 0.1u
C8145
16V 0.01u
C8162
16V 0.01u
C8164
16V 0.01u
R8144
EXB2HV560JV
R8145
EXB2HV560JV
R8148
EXB2HV390JV
R8149
R8137
120
R8150
R8151
R8152
R8153
R8154
R8155
R8156
R8157
R8158
R8159
R8161
R8162
39
R8163
56
R8165
56
AG_MMA13
35

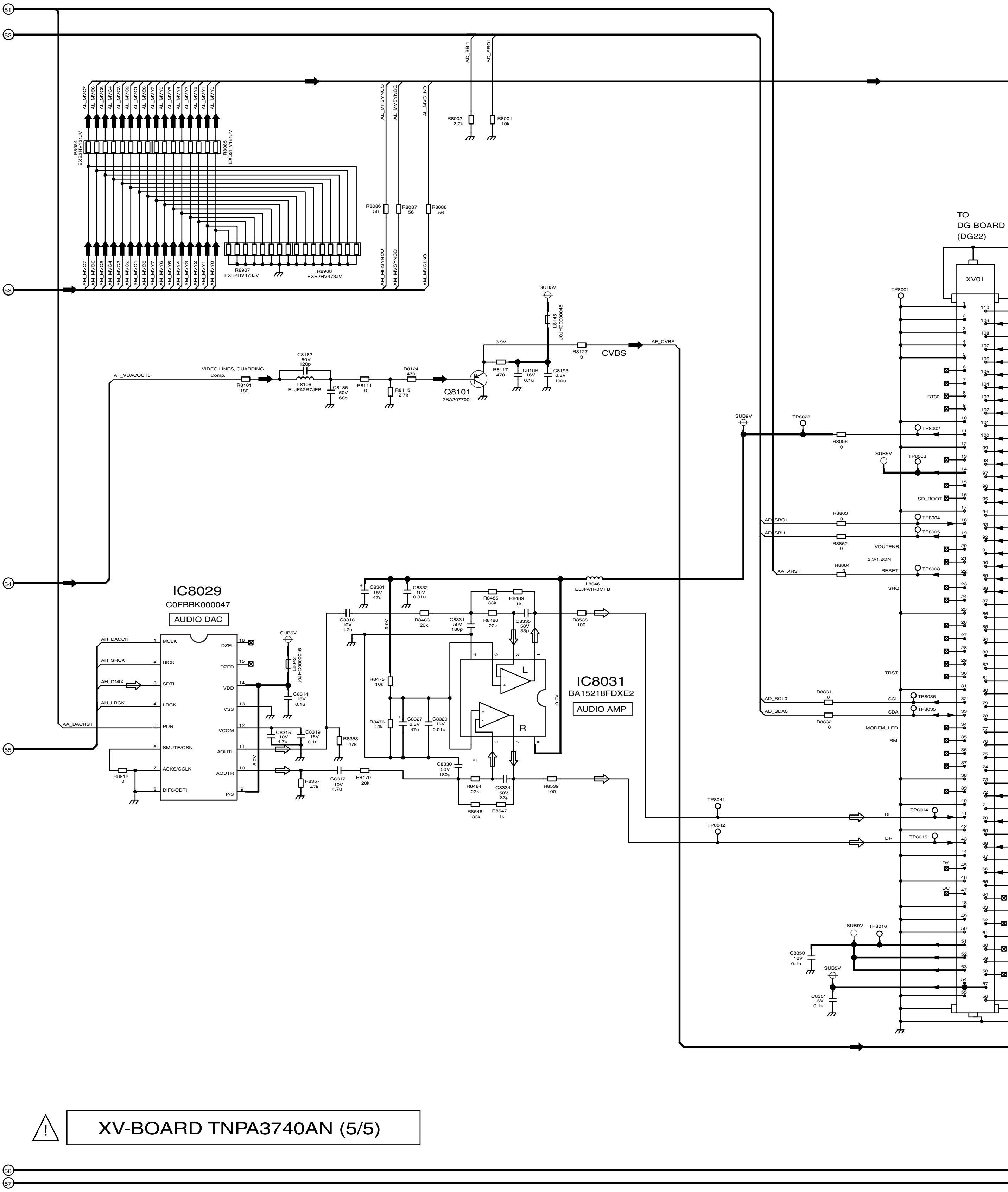
⚠ XV-BOARD TNPA3740AN (4/5)

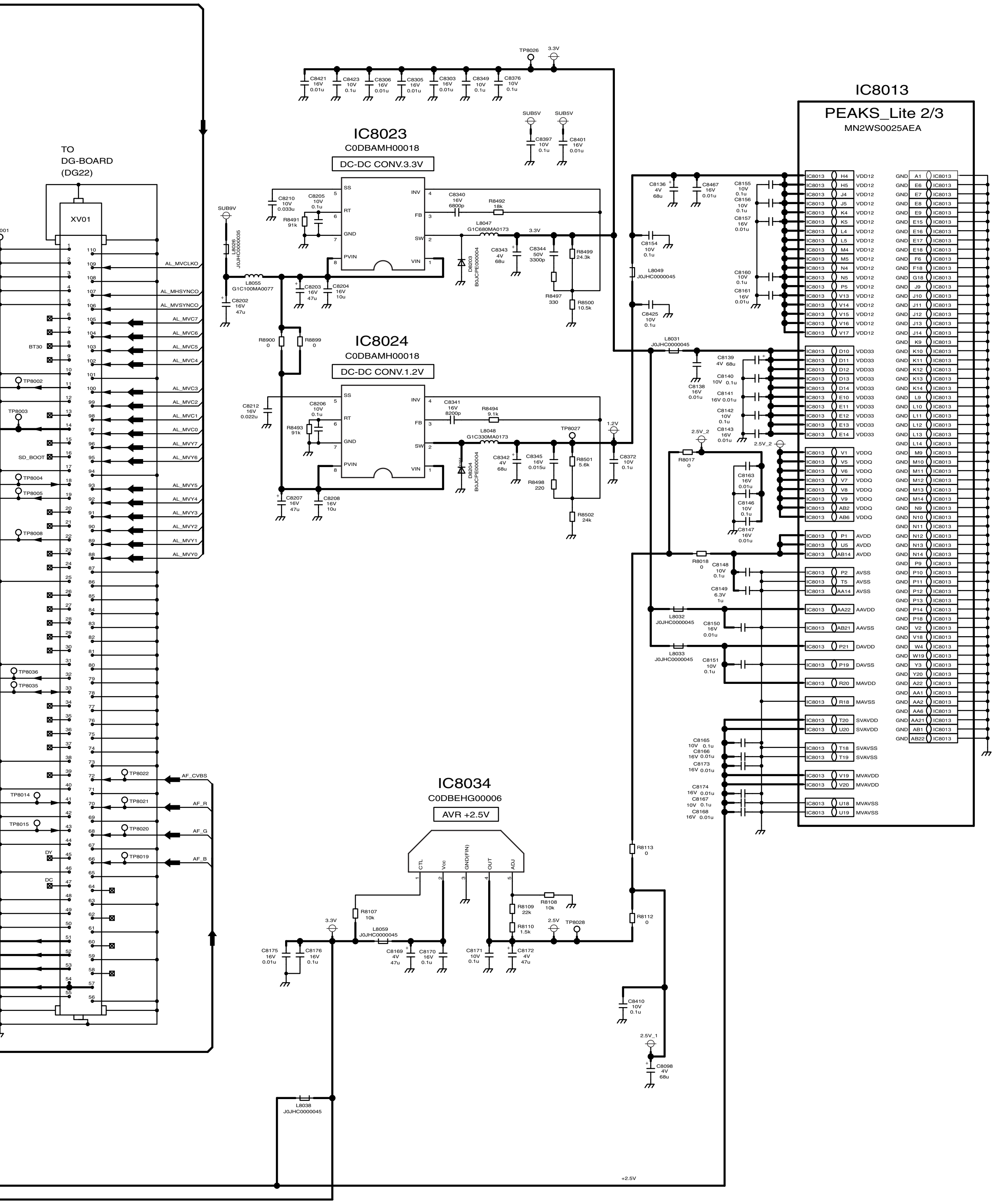

IC8042
C0EBM0000026
RESET
SUB9V
3.3V
R8078 5.6k
R8079 47k
C8048 16V 0.01u
R8106 10k
C8134 16V 0.01u
C8135 10V 0.047u
GND
Vdd
OUT
NC
Cd
AA_XRST
IC8013
PEAKS_Lite 3/3
MN2WS0025AEA
R8144 EXB2HV560JV
R8149 EXB2HV390JV
AM_MHSYNCO
AM_MVSYNCO
AM_MVCLKO
D8002 MA2J72800L
L8037 J0JCC0000078
R8971 47k
R8969 47k
R8970 47k
AF_VDACOUT0
AF_VDACOUT1
AF_VDACOUT2
AF_VDACOUT5
R8310 75
R8311 75
R8312 75
R8315 75
R8314 75
R8313 75
MVCLKO
MVSYNCO
MHSYNCO
MVDACO0
MVDACO1
MVDACO2
SVDACO0
SVDACO1
SVDACO2
MVIREF
MVVREF
MVCOMP
SVVREF
SVIREF
SVCOMP
AUDIO
SLRCK:48kHz
For DIT
DMIX
SRCK
LRCK
DACCK
IECOUT
ADIN
SLRCK
AUDCLK
AVCOIN
ATCPOUT
ATVROUT
AH_DMIX
AH_SRCK
AH_LRCK
AH_DACCK
AT_ADIN
AT_SLRCK
AK_AUDCLK
R8366 10k
R8027 EXB2HV560JV
HSDIN0
HSDIN1
HSDIN2
HSDIN3
HSDIN4
HSDIN5
HSDIN6
HSDIN7
HSBCLKIN
HSVALIN
HSSYNCIN
ACI_CHDI0
ACI_CHDI1
ACI_CHDI2
ACI_CHDI3
ACI_CHDI4
ACI_CHDI5
ACI_CHDI6
ACI_CHDI7
ACI_CHCLK
ACI_CHVAL
ACI_CHSYNC
MMCK
XMMCK
MMCKE
XMMCS
XMMRAS
XMMCAS
XMMWE
MMBS0
MMBS1
MMDQML0
MMDQML1
MMDQMU0STBACK
MMDQMU1TXREADY
MMLDQS0 XAMUTE
MMLDQS1
MMUDQS0XVMUTE
MMUDQS1
MMVREF
C8121 10V 0.1u
(51)
(52)
(53)
(54)
(55)
(56)
(57)

TH-37/42PD60B
XV-Board (4 of 5) Schematic Diagram

32 33 34 35 36

14.42. XV-Board (5 of 5) Schematic Diagram (PD60B)

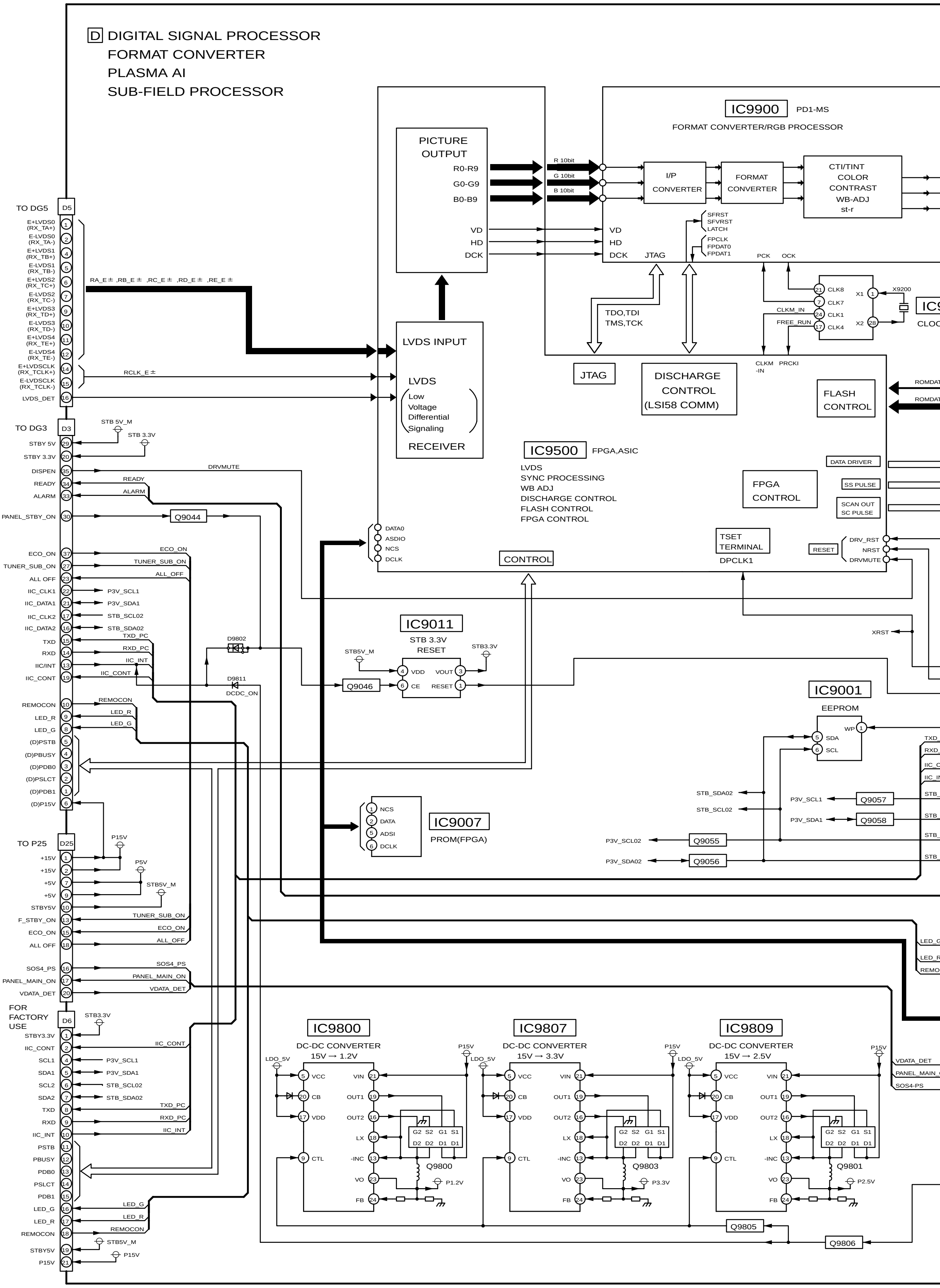

51
52
53
54
55
56
57
AD_SBI1
AD_SBO1
R8002 2.7k
R8001 10k
AL_MVC7
AL_MVC6
AL_MVC5
AL_MVC4
AL_MVC3
AL_MVC2
AL_MVC1
AL_MVC0
AL_MVY7
AL_MVY6
AL_MVY5
AL_MVY4
AL_MVY3
AL_MVY2
AL_MVY1
AL_MVY0
AL_MHSYNCO
AL_MVSYNCO
AL_MVCLKO
R8084 EXB2HV121JV
R8085 EXB2HV121JV
R8086 56
R8087 56
R8088 56
R8967 EXB2HV473JV
R8968 EXB2HV473JV
AM_MVC7
AM_MVC6
AM_MVC5
AM_MVC4
AM_MVC3
AM_MVC2
AM_MVC1
AM_MVC0
AM_MVY7
AM_MVY6
AM_MVY5
AM_MVY4
AM_MVY3
AM_MVY2
AM_MVY1
AM_MVY0
AM_MHSYNCO
AM_MVSYNCO
AM_MVCLKO
TO
DG-BOARD
(DG22)
XV01
TP8001
SUB5V
L8145 J0JHC0000045
3.9V
R8127 0
CVBS
AF_CVBS
AF_VDACOUT5
VIDEO LINES, GUARDING
Comp.
R8101 180
C8182 50V 120p
L8106 ELJFA2R7JFB
C8186 50V 68p
R8111 0
R8124 470
R8115 2.7k
Q8101
2SA2077O0L
R8117 470
C8189 16V 0.1u
C8193 6.3V 100u
SUB9V
TP8023
R8006 0
BT30
TP8002
SUB5V
TP8003
SD_BOOT
AD_SBO1
AD_SBI1
R8863 0
R8862 0
TP8004
TP8005
VOUTENB
3.3/1.2ON
AA_XRST
R8864 0
RESET
TP8008
SRQ
TRST
AD_SCL0
AD_SDA0
R8831 0
R8832 0
SCL
SDA
TP8036
TP8035
MODEM_LED
RM
TP8041
TP8042
DL
DR
TP8014
TP8015
DY
DC
SUB9V
TP8016
C8350 16V 0.1u
SUB5V
C8351 16V 0.1u
IC8029
C0FBBK000047
AUDIO DAC
AH_DACCK
AH_SRCK
AH_DMIX
AH_LRCK
AA_DACRST
MCLK
BICK
SDTI
LRCK
PDN
SMUTE/CSN
ACKS/CCLK
DIF0/CDTI
DZFL
DZFR
VDD
VSS
VCOM
AOUTL
AOUTR
P/S
R8912 0
SUB5V
L8042 J0JHC0000045
C8314 16V 0.1u
C8315 10V 4.7u
C8319 16V 0.1u
R8358 47k
R8357 47k
C8317 10V 4.7u
R8479 20k
5.0V
C8361 16V 47u
C8332 16V 0.01u
C8318 10V 4.7u
9.0V
R8483 20k
C8331 50V 180p
R8485 33k
R8489 1k
R8486 22k
C8335 50V 33p
L8046 ELJPA1R0MFB
R8538 100
R8475 10k
R8476 10k
C8327 6.3V 47u
C8329 16V 0.01u
L
R
9.0V
IC8031
BA15218FDXE2
AUDIO AMP
C8330 50V 180p
R8484 22k
C8334 50V 33p
R8546 33k
R8547 1k
R8539 100
XV-BOARD TNPA3740AN (5/5)


IC8013
PEAKS_Lite 2/3
MN2WS0025AEA
IC8023
C0DBAMH00018
DC-DC CONV.3.3V
IC8024
C0DBAMH00018
DC-DC CONV.1.2V
IC8034
C0DBEHG00006
AVR +2.5V
TO
DG-BOARD
(DG22)
XV01
SS
INV
RT
FB
GND
SW
PVIN
VIN
CTL
Vcc
GND(FIN)
OUT
ADJ
TP8026
3.3V
SUB5V
SUB9V
1.2V
2.5V_1
2.5V_2
+2.5V
TP8027
TP8028
AL_MVCLKO
AL_MHSYNCO
AL_MVSYNCO
AL_MVC7
AL_MVC6
AL_MVC5
AL_MVC4
AL_MVC3
AL_MVC2
AL_MVC1
AL_MVC0
AL_MVY7
AL_MVY6
AL_MVY5
AL_MVY4
AL_MVY3
AL_MVY2
AL_MVY1
AL_MVY0
AF_CVBS
AF_R
AF_G
AF_B
TP8002
TP8003
TP8004
TP8005
TP8008
TP8036
TP8035
TP8014
TP8015
TP8022
TP8021
TP8020
TP8019
BT30
SD_BOOT
DY
DC
L8055
G1C100MA0077
L8047
G1C680MA0173
L8048
G1C330MA0173
D8203
B0JCPE000004
D8204
B0JCPE000004
L8031
J0JHC0000045
L8032
J0JHC0000045
L8033
J0JHC0000045
L8038
J0JHC0000045
L8049
J0JHC0000045
L8059
J0JHC0000045
R8900
R8899
R8017
R8018
R8113
R8112
R8107
R8108
R8109
R8110
R8491
R8492
R8493
R8494
R8497
R8498
R8499
R8500
R8501
R8502
VDD12
VDD33
VDDQ
AVDD
AVSS
AAVDD
AAVSS
DAVDD
DAVSS
MAVDD
MAVSS
SVAVDD
SVAVSS
MVAVDD
MVAVSS
GND

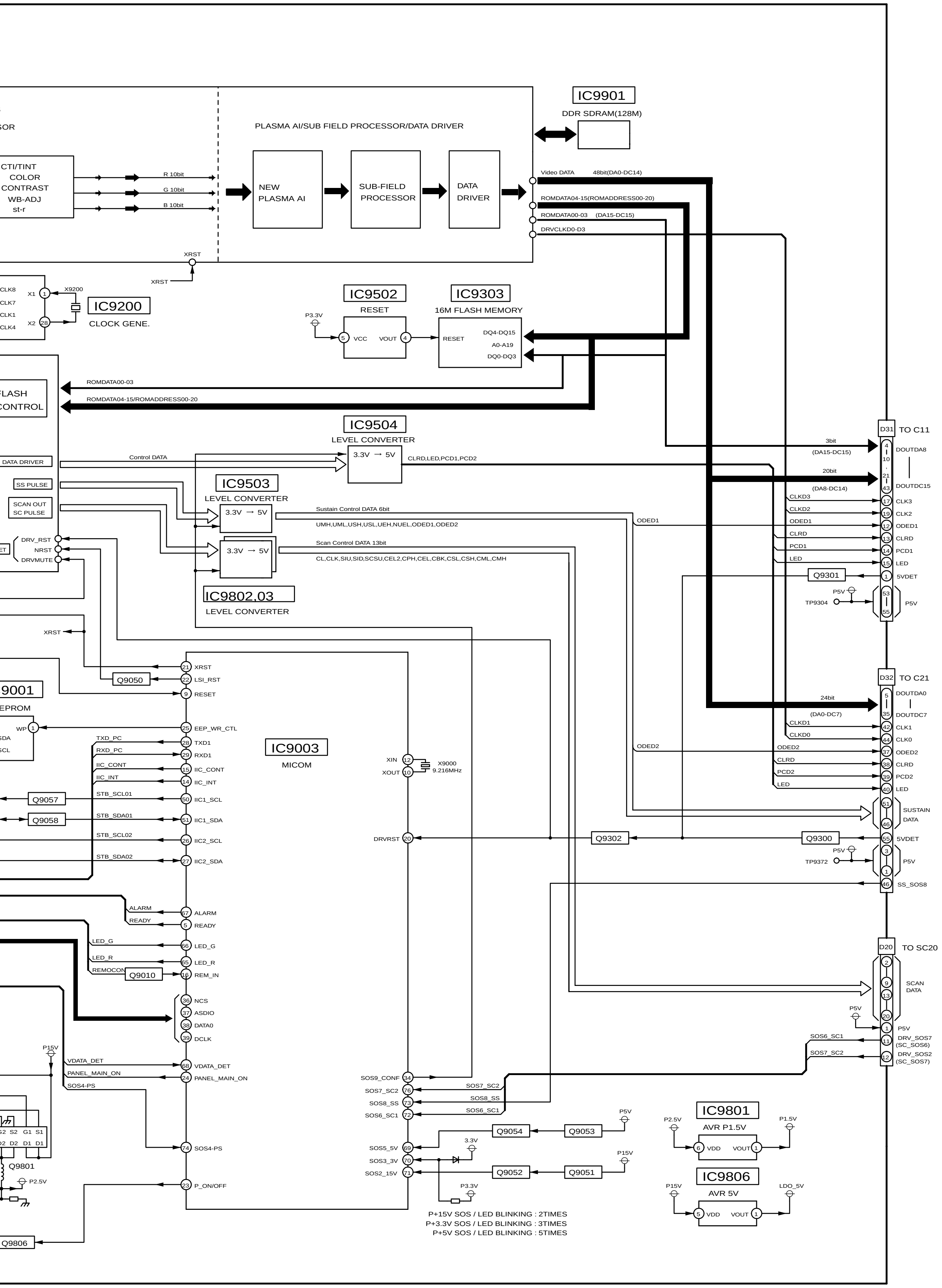
TH-37/42PD60B
XV-Board (5 of 5) Schematic Diagram

41 42 43 44 45

14.43. D-Board Block Diagram


D DIGITAL SIGNAL PROCESSOR
FORMAT CONVERTER
PLASMA AI
SUB-FIELD PROCESSOR
TO DG5
D5
E+LVDS0 (RX_TA+) 1
E-LVDS0 (RX_TA-) 2
E+LVDS1 (RX_TB+) 4
E-LVDS1 (RX_TB-) 5
E+LVDS2 (RX_TC+) 6
E-LVDS2 (RX_TC-) 7
E+LVDS3 (RX_TD+) 9
E-LVDS3 (RX_TD-) 10
E+LVDS4 (RX_TE+) 11
E-LVDS4 (RX_TE-) 12
E+LVDSCLK (RX_TCLK+) 14
E-LVDSCLK (RX_TCLK-) 15
LVDS_DET 16
RA_E± ,RB_E± ,RC_E± ,RD_E± ,RE_E±
RCLK_E±
TO DG3
D3
STB 5V_M
STB 3.3V
STBY 5V 29
STBY 3.3V 20
DISPEN 35
READY 34
ALARM 33
PANEL_STBY_ON 30
ECO_ON 37
TUNER_SUB_ON 27
ALL OFF 23
IIC_CLK1 22
IIC_DATA1 21
IIC_CLK2 17
IIC_DATA2 16
TXD 15
RXD 14
IIC/INT 13
IIC_CONT 19
REMOCON 10
LED_R 9
LED_G 8
(D)PSTB 5
(D)PBUSY 4
(D)PDB0 3
(D)PSLCT 2
(D)PDB1 1
(D)P15V 6
DRVMUTE
READY
ALARM
Q9044
ECO_ON
TUNER_SUB_ON
ALL_OFF
P3V_SCL1
P3V_SDA1
STB_SCL02
STB_SDA02
TXD_PC
RXD_PC
IIC_INT
IIC_CONT
D9802
D9811
DCDC_ON
REMOCON
LED_R
LED_G
TO P25
D25
P15V
P5V
STB5V_M
+15V 1
+15V 2
+5V 7
+5V 9
STBY5V 10
F_STBY_ON 13
ECO_ON 15
ALL OFF 18
SOS4_PS 16
PANEL_MAIN_ON 17
VDATA_DET 20
TUNER_SUB_ON
ECO_ON
ALL_OFF
SOS4_PS
PANEL_MAIN_ON
VDATA_DET
FOR FACTORY USE
D6
STB3.3V
STBY3.3V 1
IIC_CONT 2
SCL1 4
SDA1 5
SCL2 6
SDA2 7
TXD 8
RXD 9
IIC_INT 10
PSTB 11
PBUSY 12
PDB0 13
PSLCT 14
PDB1 15
LED_G 16
LED_R 17
REMOCON 18
STBY5V 19
P15V 21
IIC_CONT
P3V_SCL1
P3V_SDA1
STB_SCL02
STB_SDA02
TXD_PC
RXD_PC
IIC_INT
LED_G
LED_R
REMOCON
STB5V_M
P15V
PICTURE OUTPUT
R0-R9
G0-G9
B0-B9
VD
HD
DCK
R 10bit
G 10bit
B 10bit
LVDS INPUT
LVDS
Low Voltage Differential Signaling
RECEIVER
IC9900 PD1-MS
FORMAT CONVERTER/RGB PROCESSOR
I/P CONVERTER
FORMAT CONVERTER
CTI/TINT
COLOR
CONTRAST
WB-ADJ
st-r
VD
HD
DCK
JTAG
SFRST
SFVRST
LATCH
FPCLK
FPDAT0
FPDAT1
PCK
OCK
TDO,TDI
TMS,TCK
CLK8 21
CLK7 7
CLK1 24
CLK4 17
X1 1
X2 28
X9200
CLKM_IN
FREE_RUN
IC9
CLOC
CLKM -IN
PRCKI
JTAG
DISCHARGE CONTROL (LSI58 COMM)
FLASH CONTROL
ROMDAT
ROMDAT
IC9500 FPGA,ASIC
LVDS
SYNC PROCESSING
WB ADJ
DISCHARGE CONTROL
FLASH CONTROL
FPGA CONTROL
FPGA CONTROL
DATA DRIVER
SS PULSE
SCAN OUT
SC PULSE
DATA0
ASDIO
NCS
DCLK
CONTROL
TSET TERMINAL
DPCLK1
RESET
DRV_RST
NRST
DRVMUTE
XRST
IC9011
STB 3.3V RESET
STB5V_M
STB3.3V
4 VDD
VOUT 3
6 CE
RESET 1
Q9046
IC9001
EEPROM
WP 1
5 SDA
6 SCL
STB_SDA02
STB_SCL02
P3V_SCL1
P3V_SDA1
Q9057
Q9058
P3V_SCL02
P3V_SDA02
Q9055
Q9056
TXD_
RXD_
IIC_C
IIC_I
STB_
STB_
STB_
STB_
IC9007
PROM(FPGA)
1 NCS
2 DATA
5 ADSI
6 DCLK
LED_G
LED_R
REMO
VDATA_DET
PANEL_MAIN_
SOS4-PS
IC9800
DC-DC CONVERTER
15V → 1.2V
LDO_5V
P15V
5 VCC
20 CB
17 VDD
9 CTL
VIN 21
OUT1 19
OUT2 16
LX 18
-INC 13
VO 23
FB 24
G2 S2 G1 S1
D2 D2 D1 D1
Q9800
P1.2V
IC9807
DC-DC CONVERTER
15V → 3.3V
LDO_5V
P15V
5 VCC
20 CB
17 VDD
9 CTL
VIN 21
OUT1 19
OUT2 16
LX 18
-INC 13
VO 23
FB 24
G2 S2 G1 S1
D2 D2 D1 D1
Q9803
P3.3V
IC9809
DC-DC CONVERTER
15V → 2.5V
LDO_5V
P15V
5 VCC
20 CB
17 VDD
9 CTL
VIN 21
OUT1 19
OUT2 16
LX 18
-INC 13
VO 23
FB 24
G2 S2 G1 S1
D2 D2 D1 D1
Q9801
P2.5V
Q9805
Q9806

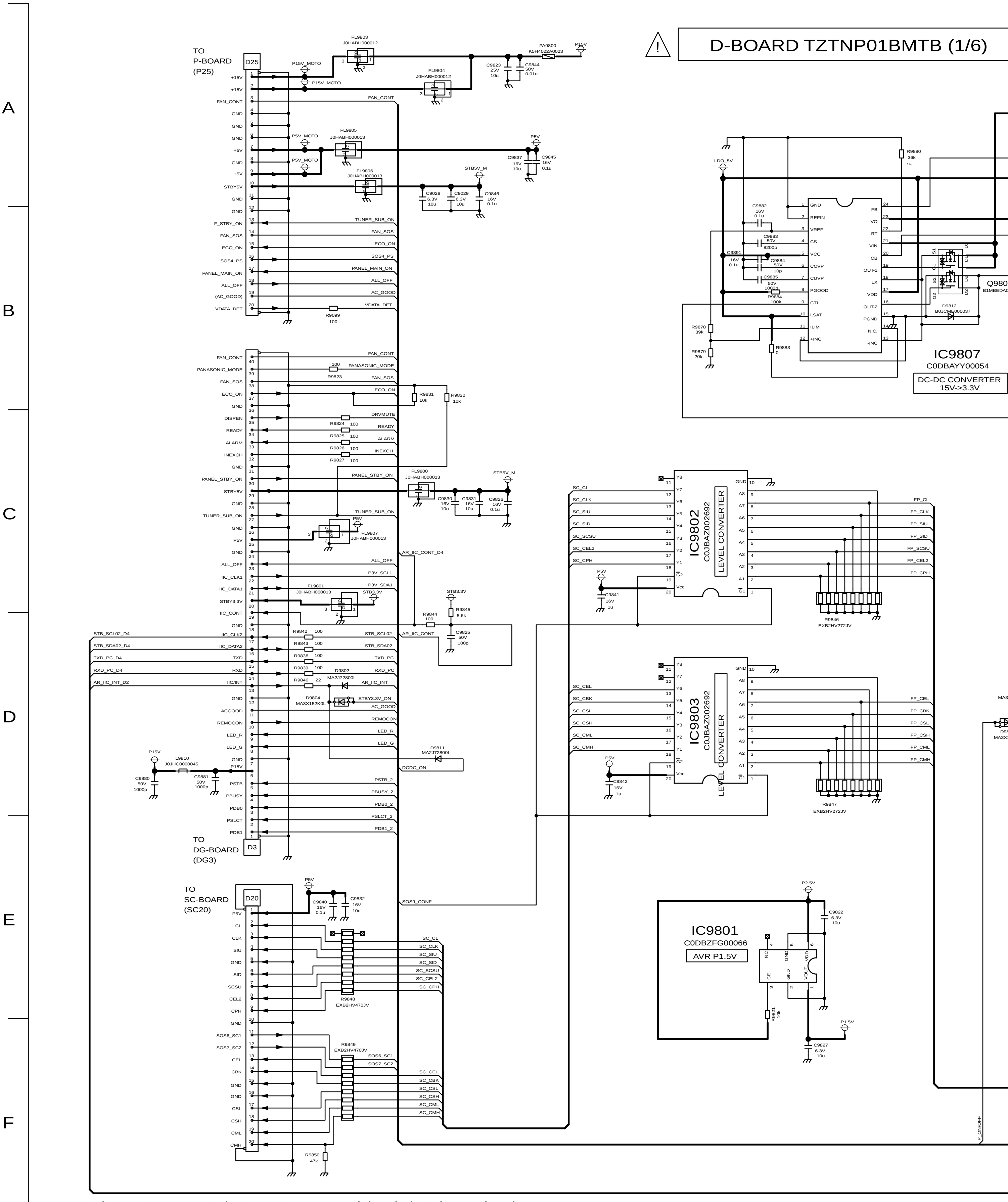
TH-37/42PA60E, TH-37/42PD60B
D-Board Block Diagram



IC9901
DDR SDRAM(128M)
PLASMA AI/SUB FIELD PROCESSOR/DATA DRIVER
CTI/TINT
COLOR
CONTRAST
WB-ADJ
st-r
R 10bit
G 10bit
B 10bit
NEW PLASMA AI
SUB-FIELD PROCESSOR
DATA DRIVER
Video DATA 48bit(DA0-DC14)
ROMDATA04-15(ROMADDRESS00-20)
ROMDATA00-03 (DA15-DC15)
DRVCLKD0-D3
XRST
X9200
IC9200
CLOCK GENE.
IC9502
RESET
IC9303
16M FLASH MEMORY
P3.3V
VCC
VOUT
DQ4-DQ15
A0-A19
DQ0-DQ3
ROMDATA00-03
ROMDATA04-15/ROMADDRESS00-20
FLASH CONTROL
IC9504
LEVEL CONVERTER
3.3V → 5V
Control DATA
CLRD,LED,PCD1,PCD2
DATA DRIVER
SS PULSE
SCAN OUT SC PULSE
IC9503
LEVEL CONVERTER
Sustain Control DATA 6bit
UMH,UML,USH,USL,UEH,NUEL,ODED1,ODED2
Scan Control DATA 13bit
CL,CLK,SIU,SID,SCSU,CEL2,CPH,CEL,CBK,CSL,CSH,CML,CMH
DRV_RST
NRST
DRVMUTE
IC9802,03
LEVEL CONVERTER
D31 TO C11
3bit (DA15-DC15)
20bit (DA8-DC14)
DOUTDA8
DOUTDC15
CLK3
CLK2
ODED1
CLRD
PCD1
LED
Q9301
5VDET
P5V
TP9304
D32 TO C21
24bit (DA0-DC7)
DOUTDA0
DOUTDC7
CLK1
CLK0
ODED2
CLRD
PCD2
LED
SUSTAIN DATA
Q9302
Q9300
5VDET
P5V
TP9372
SS_SOS8
D20 TO SC20
SCAN DATA
P5V
DRV_SOS7 (SC_SOS6)
DRV_SOS2 (SC_SOS7)
SOS6_SC1
SOS7_SC2
Q9050
9001
EEPROM
IC9003
MICOM
XRST
LSI_RST
RESET
EEP_WR_CTL
TXD1
RXD1
IIC_CONT
IIC_INT
IIC1_SCL
IIC1_SDA
IIC2_SCL
IIC2_SDA
Q9057
Q9058
XIN
XOUT
X9000 9.216MHz
DRVRST
ALARM
READY
LED_G
LED_R
REM_IN
Q9010
NCS
ASDIO
DATA0
DCLK
VDATA_DET
PANEL_MAIN_ON
SOS4-PS
P_ON/OFF
SOS9_CONF
SOS7_SC2
SOS8_SS
SOS6_SC1
SOS5_5V
SOS3_3V
SOS2_15V
Q9054
Q9053
Q9052
Q9051
P3.3V
P15V
P5V
IC9801
AVR P1.5V
P2.5V
P1.5V
VDD
VOUT
IC9806
AVR 5V
LDO_5V
Q9801
Q9806
P+15V SOS / LED BLINKING : 2TIMES
P+3.3V SOS / LED BLINKING : 3TIMES
P+5V SOS / LED BLINKING : 5TIMES

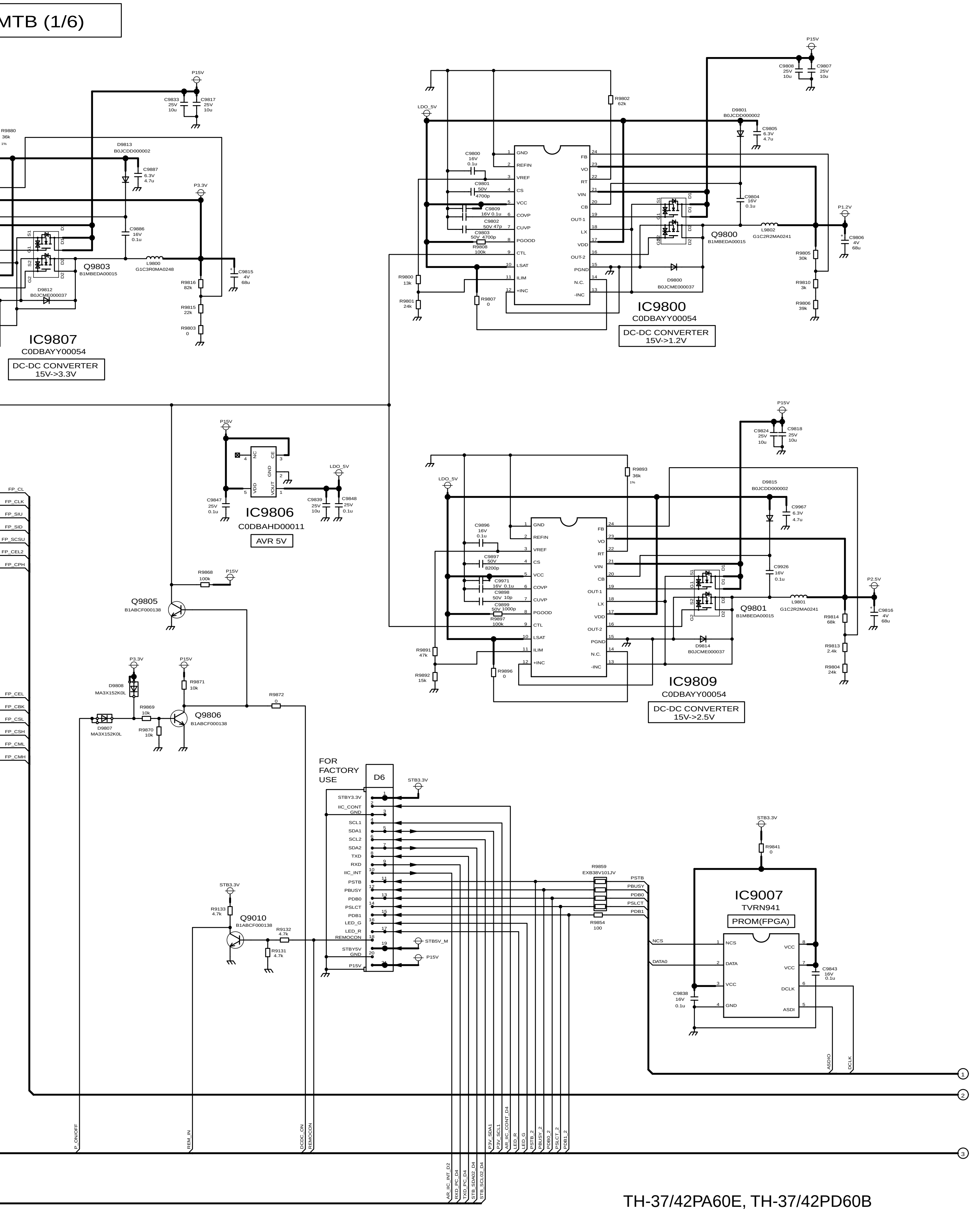
TH-37/42PA60E, TH-37/42PD60B
D-Board Block Diagram

14.44. D-Board (1 of 6) Schematic Diagram



D-BOARD TZTNP01BMTB (1/6)
A
B
C
D
E
F
TO P-BOARD (P25)
D25
+15V
FAN_CONT
GND
+5V
STBY5V
F_STBY_ON
FAN_SOS
ECO_ON
SOS4_PS
PANEL_MAIN_ON
ALL_OFF
(AC_GOOD)
VDATA_DET
FL9803 J0HABH000012
FL9804 J0HABH000012
FL9805 J0HABH000013
FL9806 J0HABH000013
PA9800 K5H4022A0023
P15V
P15V_MOTO
P5V_MOTO
P5V
STB5V_M
C9823 25V 10u
C9844 50V 0.01u
C9837 16V 10u
C9845 16V 0.1u
C9028 6.3V 10u
C9029 6.3V 10u
C9846 16V 0.1u
TUNER_SUB_ON
AC_GOOD
R9099 100
PANASONIC_MODE
DISPEN
READY
ALARM
INEXCH
DRVMUTE
R9823
R9824 100
R9825 100
R9826 100
R9827 100
R9831 10k
R9830 10k
PANEL_STBY_ON
FL9800 J0HABH000013
C9830 16V 10u
C9831 16V 10u
C9826 16V 0.1u
FL9807 J0HABH000013
AR_IIC_CONT_D4
P3V_SCL1
P3V_SDA1
STB3.3V
FL9801 J0HABH000013
IIC_CLK1
IIC_DATA1
STBY3.3V
IIC_CONT
R9844 100
R9845 5.6k
C9825 50V 100p
AR_IIC_CONT
STB_SCL02_D4
STB_SDA02_D4
TXD_PC_D4
RXD_PC_D4
AR_IIC_INT_D2
IIC_CLK2
IIC_DATA2
TXD
RXD
IIC/INT
R9842 100
R9843 100
R9838 100
R9839 100
R9840 22
STB_SCL02
STB_SDA02
TXD_PC
RXD_PC
AR_IIC_INT
D9802 MA2J72800L
D9804 MA3X152K0L
STBY3.3V_ON
ACGOOD
REMOCON
LED_R
LED_G
D9811 MA2J72800L
DCDC_ON
L9810 J0JHC0000045
C9880 50V 1000p
C9881 50V 1000p
PSTB
PBUSY
PDB0
PSLCT
PDB1
PSTB_2
PBUSY_2
PDB0_2
PSLCT_2
PDB1_2
TO DG-BOARD (DG3)
D3
TO SC-BOARD (SC20)
D20
C9840 16V 0.1u
C9832 16V 10u
CL
CLK
SIU
SID
SCSU
CEL2
CPH
SOS6_SC1
SOS7_SC2
CEL
CBK
CSL
CSH
CML
CMH
R9848 EXB2HV470JV
R9849 EXB2HV470JV
R9850 47k
SOS9_CONF
SC_CL
SC_CLK
SC_SIU
SC_SID
SC_SCSU
SC_CEL2
SC_CPH
SC_CEL
SC_CBK
SC_CSL
SC_CSH
SC_CML
SC_CMH
IC9802 C0JBAZ002692 LEVEL CONVERTER
IC9803 C0JBAZ002692 LEVEL CONVERTER
C9841 16V 1u
C9842 16V 1u
R9846 EXB2HV272JV
R9847 EXB2HV272JV
FP_CL
FP_CLK
FP_SIU
FP_SID
FP_SCSU
FP_CEL2
FP_CPH
FP_CEL
FP_CBK
FP_CSL
FP_CSH
FP_CML
FP_CMH
LDO_5V
C9882 16V 0.1u
C9883 50V 8200p
C9884 50V 10p
C9885 50V 1000p
C9891 16V 0.1u
R9884 100k
R9878 39k
R9879 20k
R9883 0
R9880 36k
GND REFIN VREF CS VCC COVP CUVP PGOOD CTL LSAT ILIM +INC
FB VO RT VIN CB OUT-1 LX VDD OUT-2 PGND N.C. -INC
D9812 B0JCME000037
Q980
B1MBEDA0
IC9807 C0DBAYY00054
DC-DC CONVERTER 15V->3.3V
IC9801 C0DBZFG00066
AVR P1.5V
P2.5V
P1.5V
C9822 6.3V 10u
C9827 6.3V 10u
R9821 10k
NC GND VDD CE GND VOUT
P_ON/OFF
1
2
3
4
5

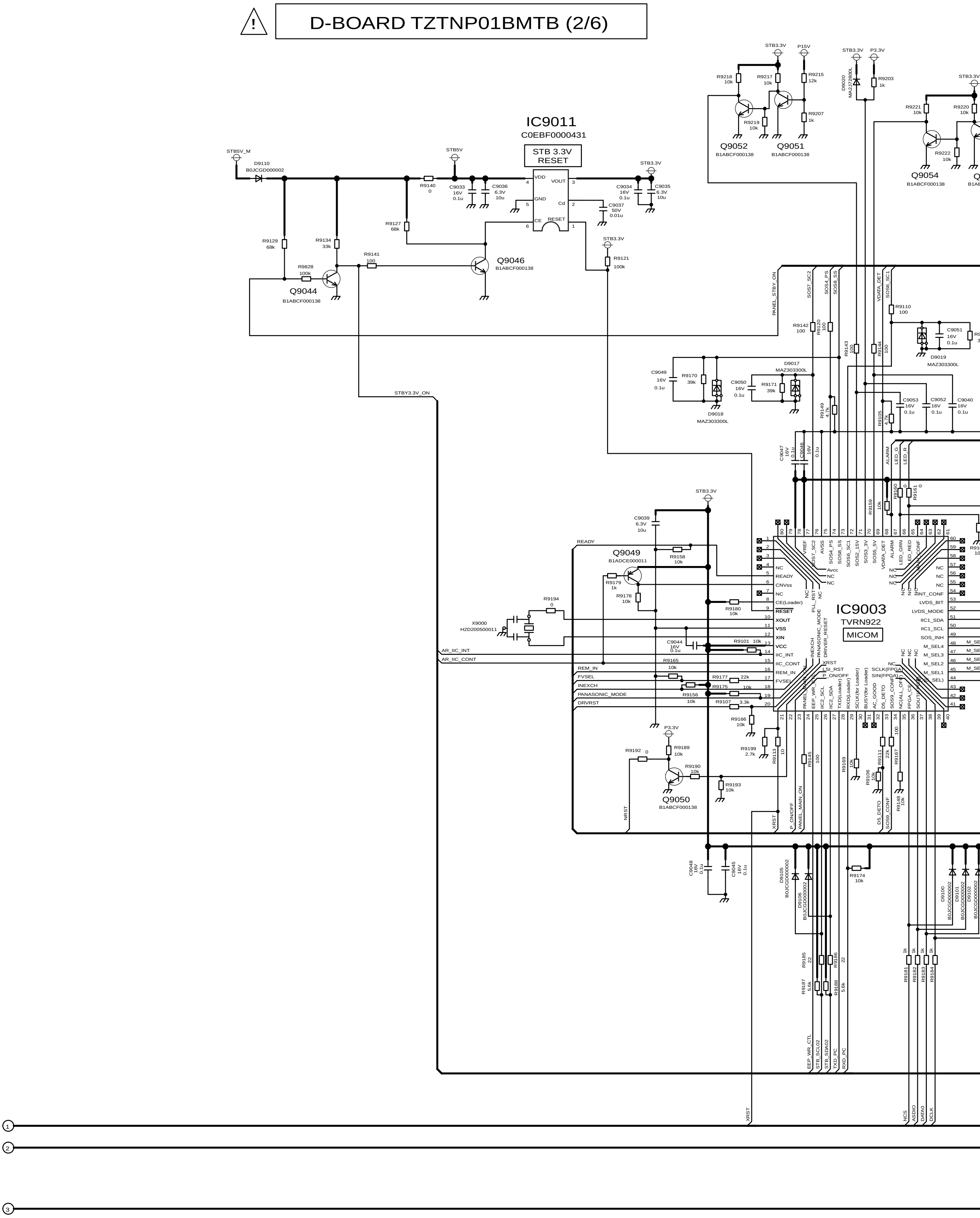
TH-37/42PA60E, TH-37/42PD60B D-Board (1 of 6) Schematic Diagram


MTB (1/6)
P15V
C9833 25V 10u
C9817 25V 10u
R9880 36k
D9813 B0JCDD000002
C9887 6.3V 4.7u
P3.3V
C9886 16V 0.1u
Q9803 B1MBEDA00015
L9800 G1C3R0MA0248
C9815 4V 68u
D9812 B0JCME000037
R9816 82k
R9815 22k
R9803 0
IC9807
C0DBAYY00054
DC-DC CONVERTER 15V->3.3V
LDO_5V
R9802 62k
C9800 16V 0.1u
C9801 50V 4700p
C9809 16V 0.1u
C9802 50V 47p
C9803 50V 4700p
R9808 100k
R9800 13k
R9801 24k
R9807 0
GND
REFIN
VREF
CS
VCC
COVP
CUVP
PGOOD
CTL
LSAT
ILIM
+INC
FB
VO
RT
VIN
CB
OUT-1
LX
VDD
OUT-2
PGND
N.C.
-INC
D9801 B0JCDD000002
C9805 6.3V 4.7u
C9808 25V 10u
C9807 25V 10u
C9804 16V 0.1u
Q9800 B1MBEDA00015
L9802 G1C2R2MA0241
P1.2V
C9806 4V 68u
R9805 30k
R9810 3k
R9806 39k
D9800 B0JCME000037
IC9800
C0DBAYY00054
DC-DC CONVERTER 15V->1.2V
C9847 25V 0.1u
C9839 25V 10u
C9848 25V 0.1u
IC9806
C0DBAHD00011
AVR 5V
FP_CL
FP_CLK
FP_SIU
FP_SID
FP_SCSU
FP_CEL2
FP_CPH
R9868 100k
Q9805 B1ABCF000138
P3.3V
D9808 MA3X152K0L
R9871 10k
R9872 0
R9869 10k
R9870 10k
Q9806 B1ABCF000138
D9807 MA3X152K0L
FP_CEL
FP_CBK
FP_CSL
FP_CSH
FP_CML
FP_CMH
P15V
C9824 25V 10u
C9818 25V 10u
R9893 36k
D9815 B0JCDD000002
C9967 6.3V 4.7u
C9896 16V 0.1u
C9897 50V 8200p
C9971 16V 0.1u
C9898 50V 10p
C9899 50V 1000p
R9897 100k
R9891 47k
R9892 15k
R9896 0
C9926 16V 0.1u
Q9801 B1MBEDA00015
L9801 G1C2R2MA0241
P2.5V
C9816 4V 68u
R9814 68k
R9813 2.4k
R9804 24k
D9814 B0JCME000037
IC9809
C0DBAYY00054
DC-DC CONVERTER 15V->2.5V
FOR FACTORY USE
D6
STB3.3V
STBY3.3V
IIC_CONT
GND
SCL1
SDA1
SCL2
SDA2
TXD
RXD
IIC_INT
PSTB
PBUSY
PDB0
PSLCT
PDB1
LED_G
LED_R
REMOCON
STBY5V
GND
P15V
STB5V_M
R9133 4.7k
Q9010 B1ABCF000138
R9132 4.7k
R9131 4.7k
R9859 EXB38V101JV
R9854 100
R9841 0
IC9007
TVRN941
PROM(FPGA)
NCS
DATA0
NCS
DATA
VCC
GND
VCC
VCC
DCLK
ASDI
C9838 16V 0.1u
C9843 16V 0.1u
ASDIO
DCLK
1
2
3
P_ON/OFF
REM_IN
DCDC_ON
REMOCON
P3V_SDA1
P3V_SCL1
AR_IIC_CONT_D4
LED_R
LED_G
PSTB_2
PBUSY_2
PDB0_2
PSLCT_2
PDB1_2
AR_IIC_INT_D2
RXD_PC_D4
TXD_PC_D4
STB_SDA02_D4
STB_SCL02_D4

TH-37/42PA60E, TH-37/42PD60B
D-Board (1 of 6) Schematic Diagram

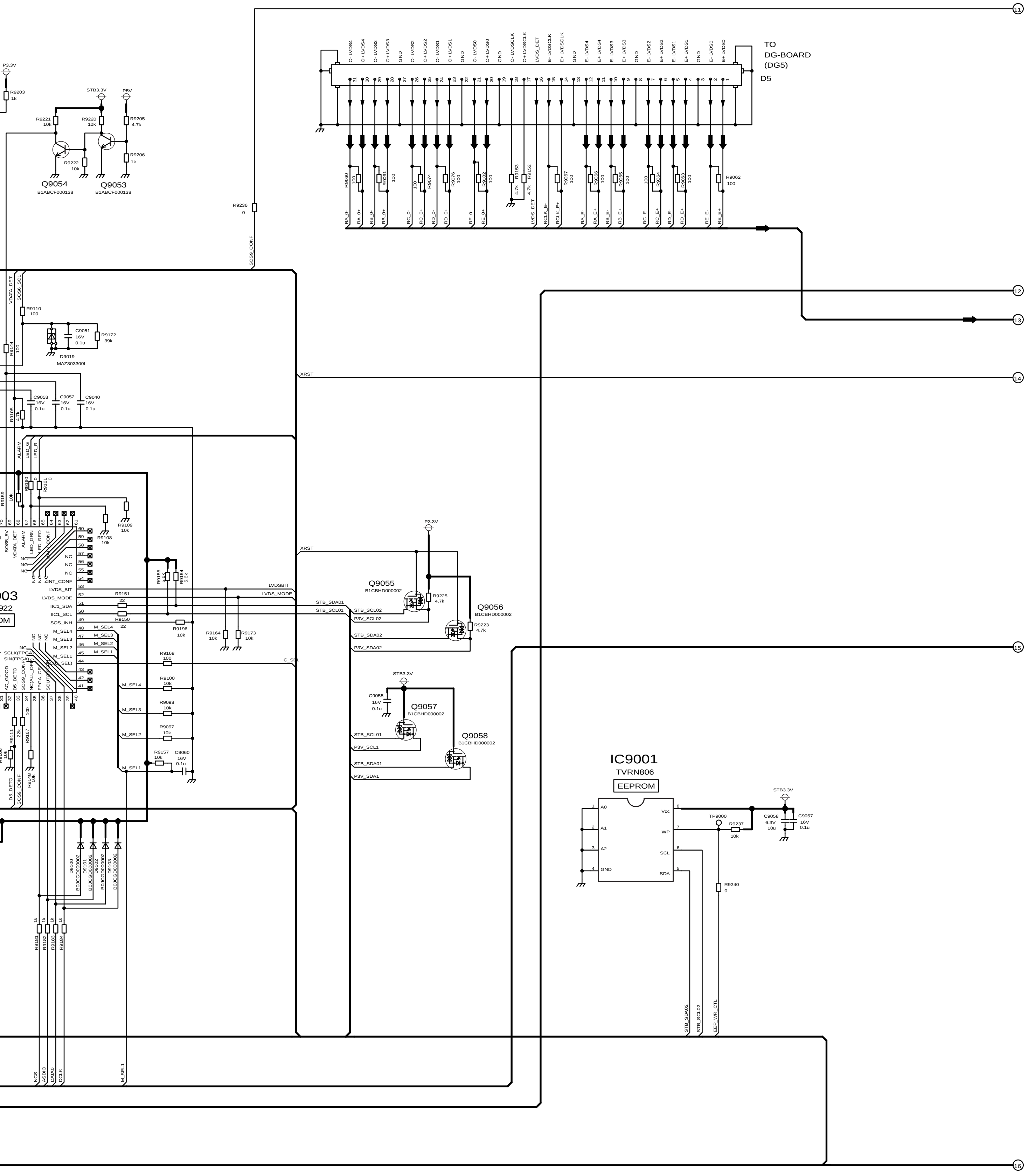
5 6 7 8 9

14.45. D-Board (2 of 6) Schematic Diagram


D-BOARD TZTNP01BMTB (2/6)
IC9011
C0EBF0000431
STB 3.3V RESET
VDD
VOUT
GND
Cd
CE
RESET
STB5V_M
D9110
B0JCGD000002
STB5V
STB3.3V
P15V
P3.3V
R9140 0
C9033 16V 0.1u
C9036 6.3V 10u
C9034 16V 0.1u
C9035 6.3V 10u
C9037 50V 0.01u
R9127 68k
R9129 68k
R9134 33k
R9141 100
R9828 100k
R9121 100k
Q9044
B1ABCF000138
Q9046
B1ABCF000138
R9218 10k
R9217 10k
R9215 12k
R9219 10k
R9207 1k
Q9052
B1ABCF000138
Q9051
B1ABCF000138
D9020
MAZ3300L
R9203 1k
R9221 10k
R9220 10k
R9222 10k
Q9054
B1ABCF000138
STBY3.3V_ON
PANEL_STBY_ON
SOS7_SC2
SOS4_PS
SOS8_SS
VDATA_DET
SOS6_SC1
R9110 100
R9142 100
R9150 100
R9143 100
R9144 100
C9051 16V 0.1u
D9019
MAZ303300L
C9049 16V 0.1u
R9170 39k
D9018
MAZ303300L
D9017
MAZ303300L
C9050 16V 0.1u
R9171 39k
R9149 4.7k
R9105 4.7k
C9053 16V 0.1u
C9052 16V 0.1u
C9040 16V 0.1u
C9047 16V 0.1u
C9046 16V 0.1u
ALARM
LED_G
LED_R
R9159 10k
R9100 0
R9101 0
STB3.3V
C9039 6.3V 10u
READY
Q9049
B1ADCE000011
R9158 10k
R9179 1k
R9178 10k
R9194 0
X9000
H2D200500011
R9180 10k
C9044 16V 0.1u
R9101 10k
AR_IIC_INT
AR_IIC_CONT
R9165 10k
REM_IN
FVSEL
INEXCH
PANASONIC_MODE
DRVRST
R9177 22k
R9175 10k
R9156 10k
R9107 3.3k
R9166 10k
IC9003
TVRN922
MICOM
NC
READY
CNVss
CE(Loader)
RESET
XOUT
VSS
XIN
VCC
IIC_CONT
IIC_INT
REM_IN
FVSEL
VREF
AVSS
Avcc
PLL_RST
PANASONIC_MODE
DRIVER_RESET
INEXCH
XRST
LSI_RST
P_ON/OFF
SCLK(FPGA)
SIN(FPGA)
INT_CONF
LVDS_BIT
LVDS_MODE
IIC1_SDA
IIC1_SCL
SOS_INH
M_SEL4
M_SEL3
M_SEL2
M_SEL1
PANEL_MAIN_ON
EEP_WR_CTL
IIC2_SCL
IIC2_SDA
TXD(Loader)
RXD(Loader)
SCLK(for Loader)
BUSY(for Loader)
AC_GOOD
D5_DETO
SOS9_CONF
P3.3V
R9189 10k
R9192 0
R9190 10k
R9193 10k
Q9050
B1ABCF000138
R9199 2.7k
R9113 10
R9145 100
R9169 10k
R9106 10k
R9111 22k
R9167 100
R9148 10k
NRST
XRST
P_ON/OFF
PANEL_MAIN_ON
D5_DETO
SOS9_CONF
C9048 16V 0.1u
C9045 16V 0.1u
D9105
B0JCGD000002
D9106
B0JCGD000002
R9174 10k
D9100
B0JCGD000002
D9101
B0JCGD000002
R9185 22
R9186 22
R9187 5.6k
R9188 5.6k
R9181 1k
R9182 1k
R9183 1k
R9184 1k
EEP_WR_CTL
STB_SCL02
STB_SDA02
TXD_PC
RXD_PC
XRST
NC5
ASDIO
DATA0
DCLK
1
2
3

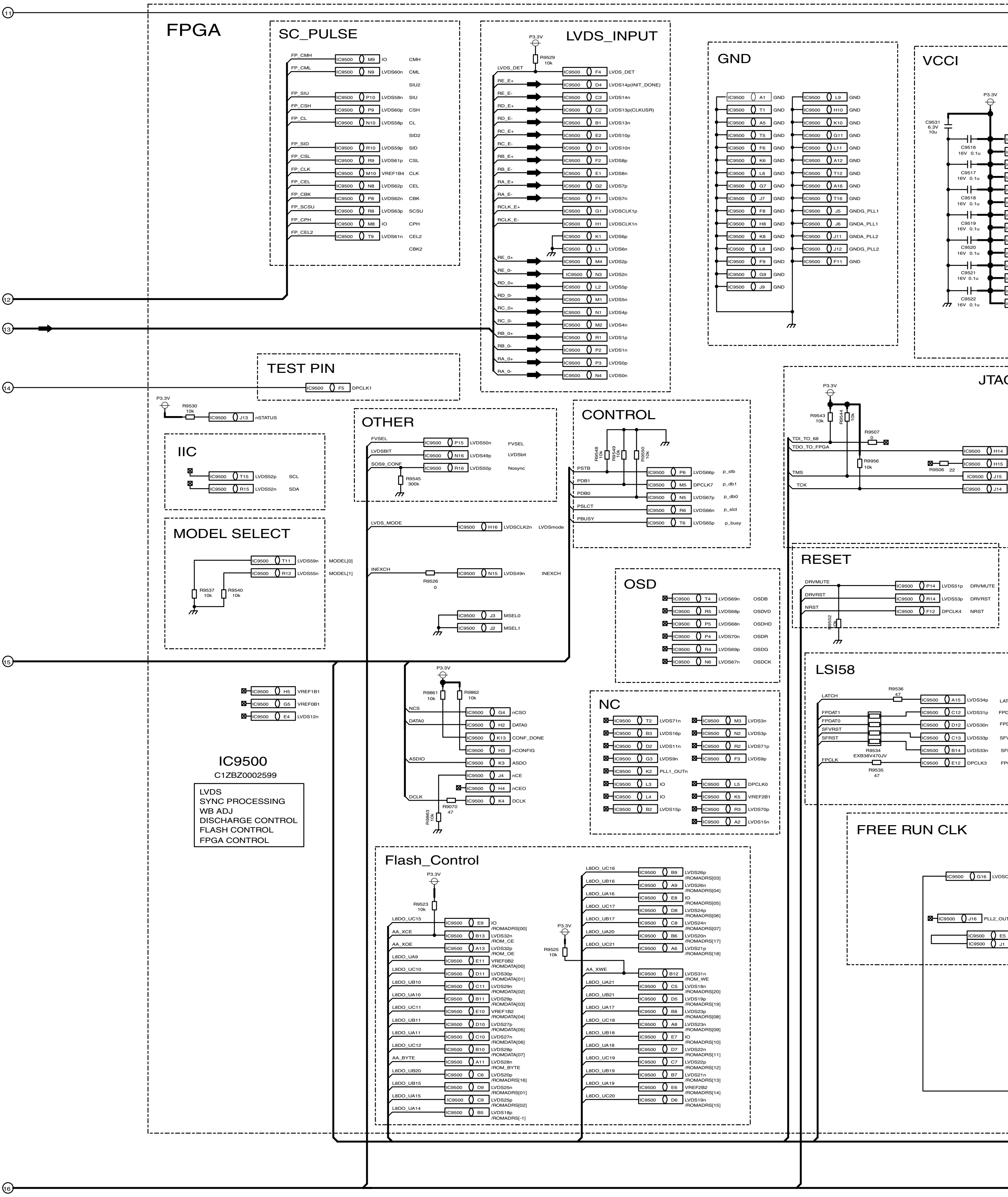
TH-37/42PA60E, TH-37/42PD60B
D-Board (2 of 6) Schematic Diagram

10 11 12 13 14

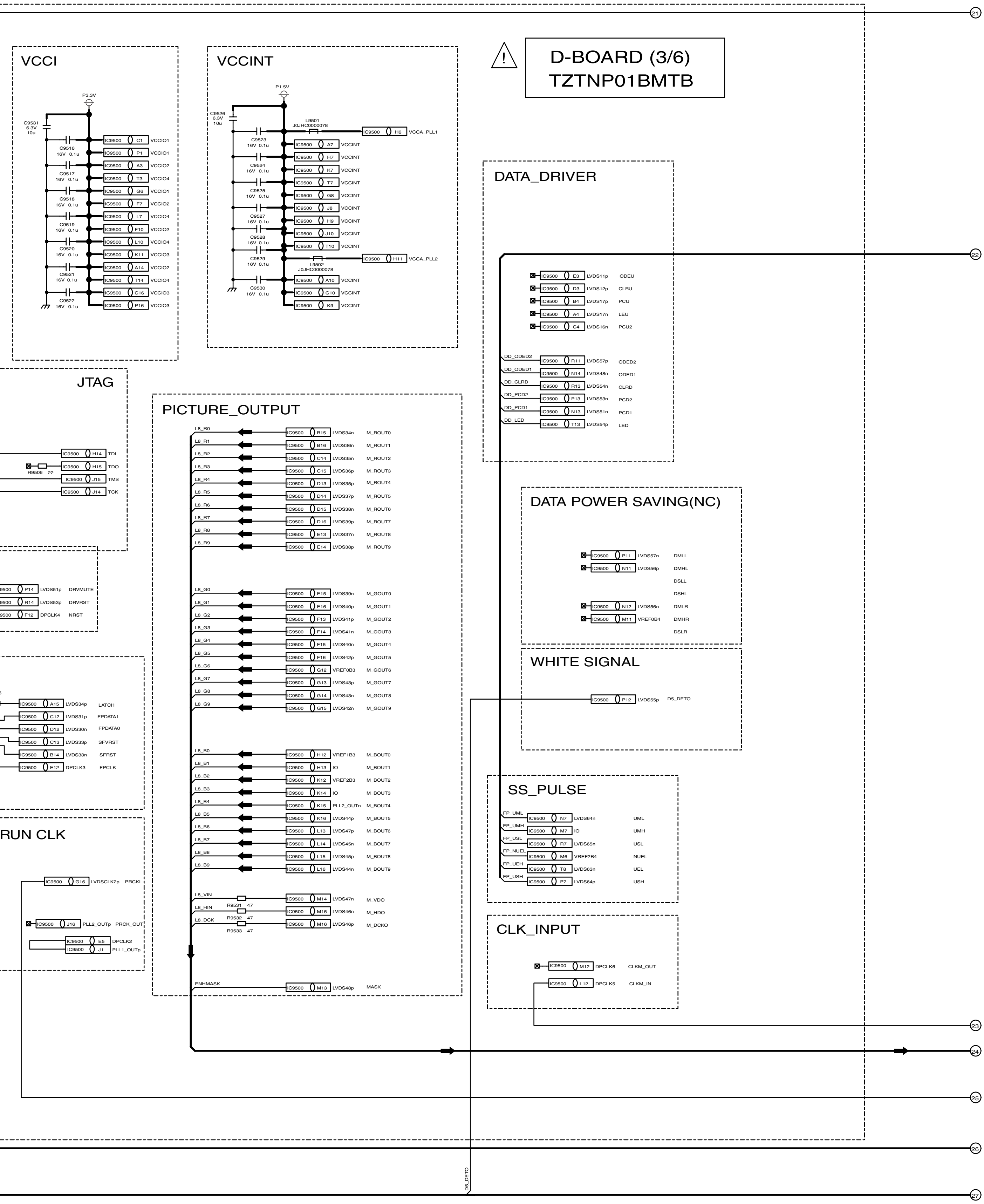

TO
DG-BOARD
(DG5)
D5
IC9001
TVRN806
EEPROM
A0
A1
A2
GND
Vcc
WP
SCL
SDA
STB3.3V
TP9000
R9237
10k
C9058
6.3V
10u
C9057
16V
0.1u
R9240
0
Q9055
B1CBHD000002
Q9056
B1CBHD000002
Q9057
B1CBHD000002
Q9058
B1CBHD000002
R9225
4.7k
R9223
4.7k
C9055
16V
0.1u
P3.3V
STB_SDA01
STB_SCL01
STB_SCL02
P3V_SCL02
STB_SDA02
P3V_SDA02
P3V_SCL1
P3V_SDA1
XRST
LVDSBIT
LVDS_MODE
C_SEL
Q9054
B1ABCF000138
Q9053
B1ABCF000138
R9203
1k
R9221
10k
R9220
10k
R9205
4.7k
R9206
1k
R9222
10k
P5V
R9236
0
SOS9_CONF
R9110
100
C9051
16V
0.1u
R9172
39k
D9019
MAZ303300L
C9053
C9052
C9040
16V
0.1u
R9151
22
R9150
22
R9196
10k
R9164
10k
R9173
10k
R9155
5.6k
R9154
5.6k
R9168
100
R9100
10k
R9098
10k
R9097
10k
R9157
10k
C9060
16V
0.1u
M_SEL1
M_SEL2
M_SEL3
M_SEL4
R9108
10k
R9109
10k
D9100
D9101
D9102
D9103
B0JCGD000002
R9181
R9182
R9183
R9184
1k
NC5
ASDO
DATA0
DCLK
M_SEL1
STB_SDA02
STB_SCL02
EEP_WR_CTL
R9060
R9061
R9074
R9076
R9102
R9153
R9152
R9067
R9066
R9065
R9064
R9063
R9062
100
4.7k
RA_0-
RA_0+
RB_0-
RB_0+
RC_0-
RC_0+
RD_0-
RD_0+
RE_0-
RE_0+
LVDS_DET
RCLK_E-
RCLK_E+
RA_E-
RA_E+
RB_E-
RB_E+
RC_E-
RC_E+
RD_E-
RD_E+
RE_E-
RE_E+
⑪
⑫
⑬
⑭
⑮
⑯
14
15
16
17
18

TH-37/42PA60E, TH-37/42PD60B
D-Board (2 of 6) Schematic Diagram

14.46. D-Board (3 of 6) Schematic Diagram


FPGA
SC_PULSE
LVDS_INPUT
GND
VCCI
TEST PIN
JTAG
IIC
OTHER
CONTROL
MODEL SELECT
RESET
OSD
LSI58
NC
FREE RUN CLK
Flash_Control
IC9500
C1ZBZ0002599
LVDS
SYNC PROCESSING
WB ADJ
DISCHARGE CONTROL
FLASH CONTROL
FPGA CONTROL
P3.3V
R9529 10k
R9530 10k
R9537 10k
R9540 10k
R9545 300k
R9526 0
R9548 10k
R9549 10k
R9550 10k
R9543 10k
R9544 10k
R9507 0
R9956 10k
R9506 22
R9552 10k
R9536 47
R9534 EXB38V470JV
R9535 47
R9861 10k
R9862 10k
R9070 47
R9863 10k
R9523 10k
R9525 10k
C9531 6.3V 10u
C9516 16V 0.1u
C9517 16V 0.1u
C9518 16V 0.1u
C9519 16V 0.1u
C9520 16V 0.1u
C9521 16V 0.1u
C9522 16V 0.1u
nSTATUS
DPCLK1
11
12
13
14
15
16

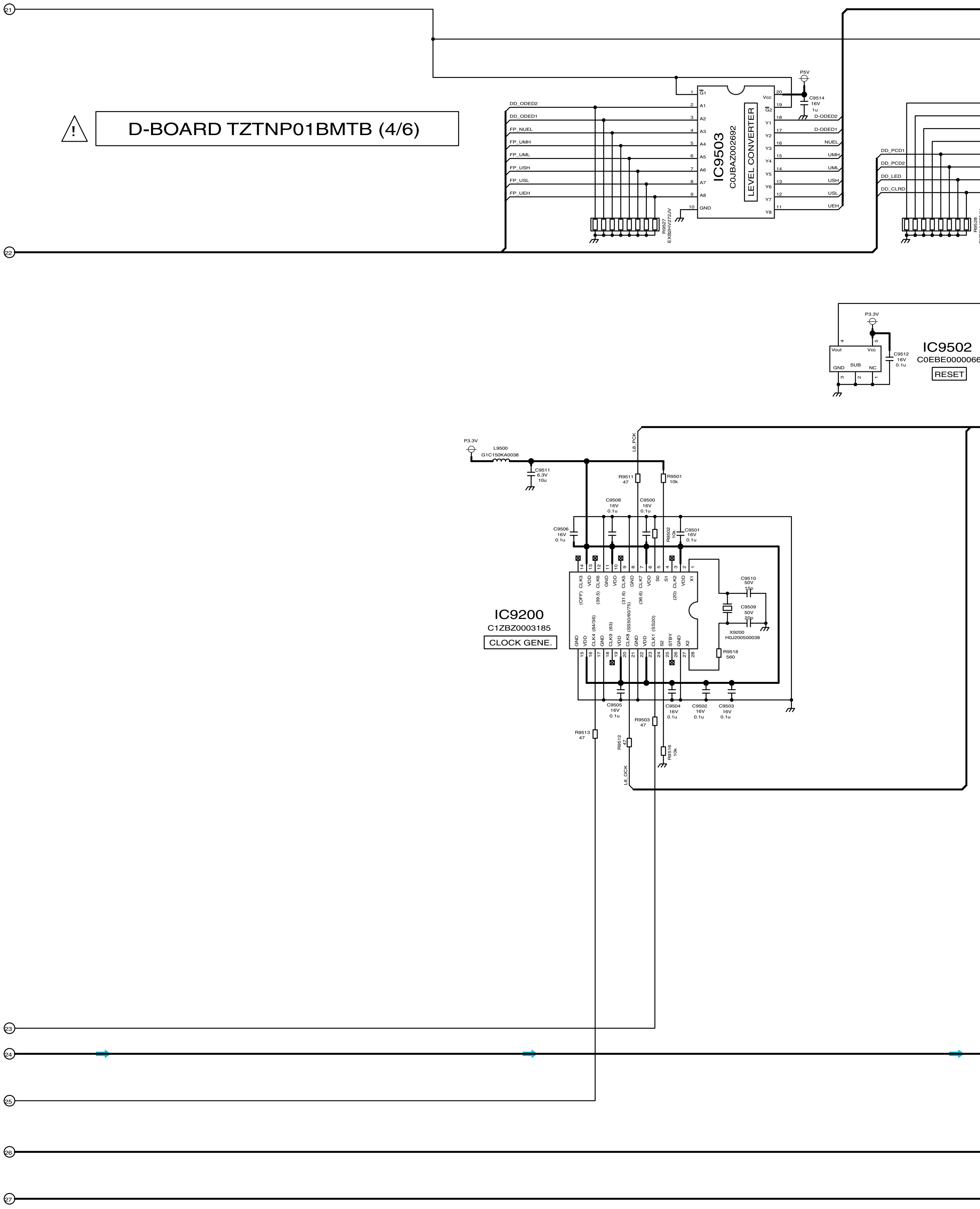
TH-37/42PA60E, TH-37/42PD60B
D-Board (3 of 6) Schematic Diagram

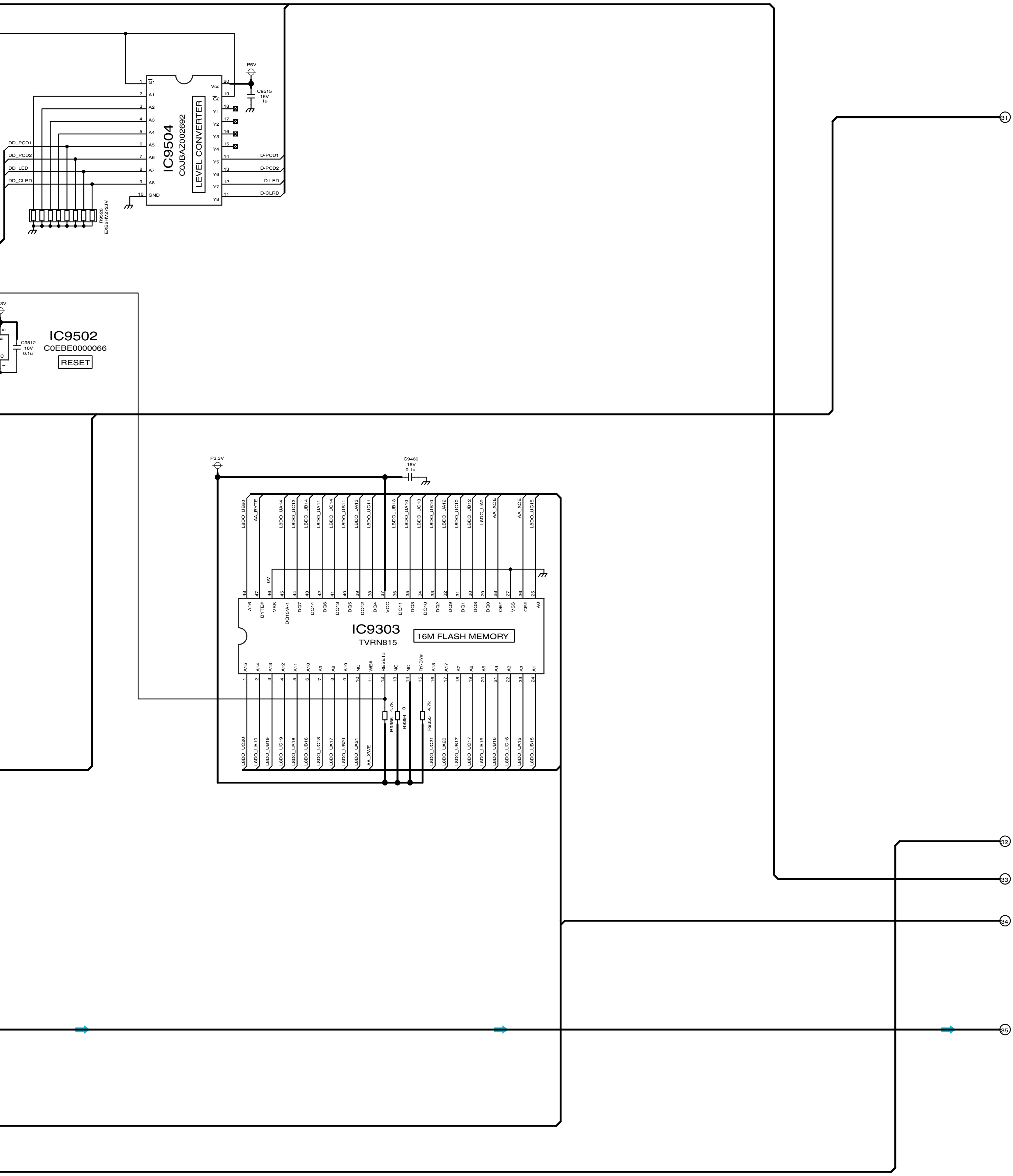

D-BOARD (3/6)
TZTNP01BMTB
VCCI
P3.3V
VCCINT
P1.5V
L9501
J0JHC0000078
VCCA_PLL1
L9502
J0JHC0000078
VCCA_PLL2
DATA_DRIVER
ODEU
CLRU
PCU
LEU
PCU2
DD_ODED2
DD_ODED1
DD_CLRD
DD_PCD2
DD_PCD1
DD_LED
ODED2
ODED1
CLRD
PCD2
PCD1
LED
JTAG
TDI
TDO
TMS
TCK
R9506 22
DRVMUTE
DRVRST
NRST
PICTURE_OUTPUT
M_ROUT0
M_ROUT9
M_GOUT0
M_GOUT9
M_BOUT0
M_BOUT9
M_VDO
M_HDO
M_DCKO
L8_VIN
L8_HIN
L8_DCK
R9531 47
R9532 47
R9533 47
ENHMASK
MASK
DATA POWER SAVING(NC)
DMLL
DMHL
DSLL
DSHL
DMLR
DMHR
DSLR
WHITE SIGNAL
D5_DETO
LATCH
FPDATA1
FPDATA0
SFVRST
SFRST
FPCLK
RUN CLK
PRCKI
PRCK_OUT
DPCLK2
PLL1_OUTp
SS_PULSE
FP_UML
FP_UMH
FP_USL
FP_NUEL
FP_UEH
FP_USH
UML
UMH
USL
NUEL
UEL
USH
CLK_INPUT
CLKM_OUT
CLKM_IN
21
22
23
24
25
26
27

TH-37/42PA60E, TH-37/42PD60B
D-Board (3 of 6) Schematic Diagram

23 24 25 26 27

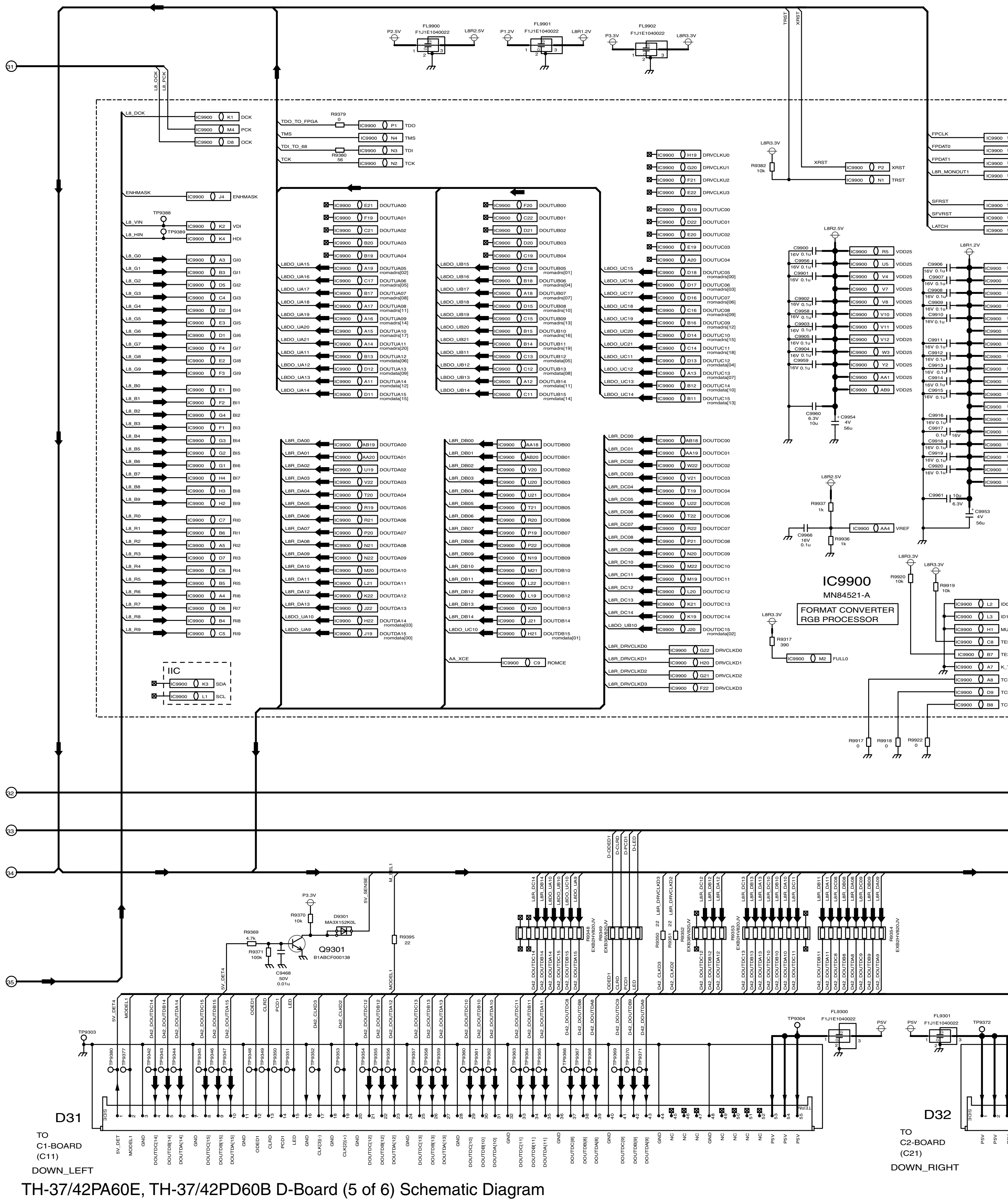
14.47. D-Board (4 of 6) Schematic Diagram


21
22
23
24
25
26
27
D-BOARD TZTNP01BMTB (4/6)
DD_ODED2
DD_ODED1
FP_NUEL
FP_UMH
FP_UML
FP_USH
FP_USL
FP_UEH
IC9503
C0JBAZ002692
LEVEL CONVERTER
G1
A1
A2
A3
A4
A5
A6
A7
A8
GND
Vcc
G2
Y1
Y2
Y3
Y4
Y5
Y6
Y7
Y8
P5V
C9514
16V
1u
D-ODED2
D-ODED1
NUEL
UMH
UML
USH
USL
UEH
R9527
EXB2HV272JV
DD_PCD1
DD_PCD2
DD_LED
DD_CLRD
R9528
P3.3V
Vout
Vcc
GND
SUB
NC
C9512
16V
0.1u
IC9502
C0EBE0000066
RESET
P3.3V
L9500
G1C150KA0038
C9511
6.3V
10u
L8_PCK
R9511
47
R9501
10k
C9508
16V
0.1u
C9500
16V
0.1u
C9506
16V
0.1u
R9502
10k
C9501
16V
0.1u
CLK3
VDD
CLK6
GND
VDD
CLK5
GND
CLK7
VDD
S0
S1
CLK2
VDD
X1
(OFF)
(39.5)
(31.6)
(36.6)
(20)
GND
VDD
CLK4 (84/36)
GND
CLK9 (63)
VDD
CLK8 (SS50/60/75)
GND
VDD
CLK1 (SS20)
S2
STBY
GND
X2
IC9200
C1ZBZ0003185
CLOCK GENE.
C9510
50V
15p
C9509
50V
20p
X9200
H0J200500038
R9518
560
C9505
16V
0.1u
C9504
16V
0.1u
C9502
16V
0.1u
C9503
16V
0.1u
R9503
47
R9513
47
R9512
47
R9516
10k
L8_OCK


IC9504
C0JBAZ002692
LEVEL CONVERTER
P5V
C9515
16V
1u
G1
A1
A2
A3
A4
A5
A6
A7
A8
GND
Vcc
G2
Y1
Y2
Y3
Y4
Y5
Y6
Y7
Y8
DD_PCD1
DD_PCD2
DD_LED
DD_CLRD
D-PCD1
D-PCD2
D-LED
D-CLRD
R9528
EXB2HV272JV
IC9502
C0EBE0000066
RESET
C9512
16V
0.1u
P3.3V
C9469
16V
0.1u
IC9303
TVRN815
16M FLASH MEMORY
0V
A16
BYTE#
VSS
DQ15/A-1
DQ7
DQ14
DQ6
DQ13
DQ5
DQ12
DQ4
VCC
DQ11
DQ3
DQ10
DQ2
DQ9
DQ1
DQ8
DQ0
OE#
VSS
CE#
A0
A15
A14
A13
A12
A11
A10
A9
A8
A19
NC
WE#
RESET#
NC
NC
RY/BY#
A18
A17
A7
A6
A5
A4
A3
A2
A1
L8DO_UB20
AA_BYTE
L8DO_UA14
L8DO_UC12
L8DO_UB14
L8DO_UA11
L8DO_UC14
L8DO_UB11
L8DO_UA13
L8DO_UC11
L8DO_UB13
L8DO_UA10
L8DO_UC13
L8DO_UB10
L8DO_UA12
L8DO_UC10
L8DO_UB12
L8DO_UA9
AA_XOE
AA_XCE
L8DO_UC15
L8DO_UC20
L8DO_UA19
L8DO_UB19
L8DO_UC19
L8DO_UA18
L8DO_UB18
L8DO_UC18
L8DO_UA17
L8DO_UB21
L8DO_UA21
AA_XWE
L8DO_UC21
L8DO_UA20
L8DO_UB17
L8DO_UC17
L8DO_UA16
L8DO_UB16
L8DO_UC16
L8DO_UA15
L8DO_UB15
R9356
4.7k
R9394
0
R9355
4.7k
31
32
33
34
35

TH-37/42PA60E, TH-37/42PD60B
D-Board (4 of 6) Schematic Diagram

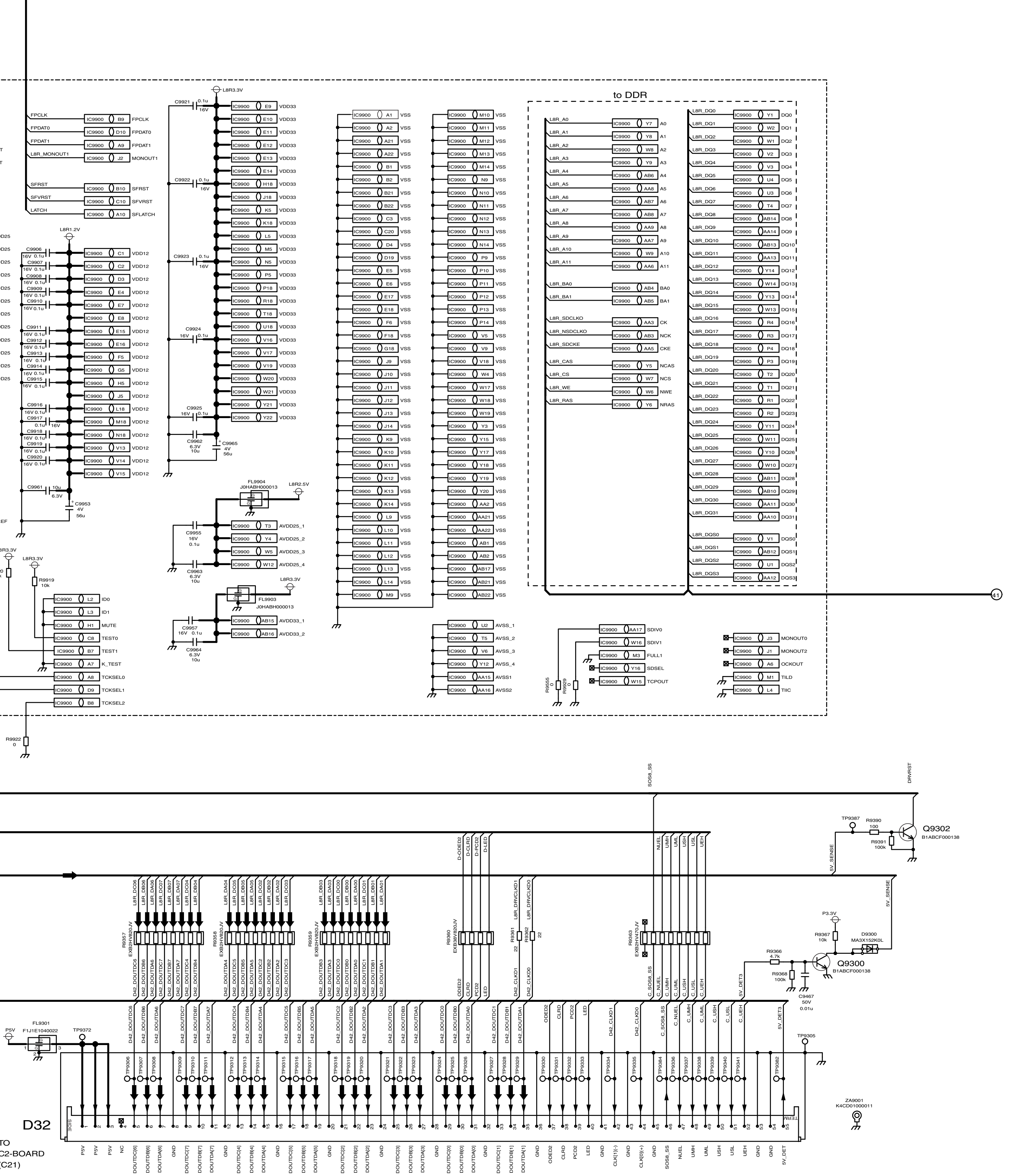
14.48. D-Board (5 of 6) Schematic Diagram


FL9900
F1J1E1040022
P2.5V
L8R2.5V
FL9901
F1J1E1040022
P1.2V
L8R1.2V
FL9902
F1J1E1040022
P3.3V
L8R3.3V
TRST
XRST
L8_OCK
L8_PCK
L8_DCK
DCK
PCK
OCK
TDO_TO_FPGA
TMS
TDI_TO_68
TCK
R9379
0
R9380
56
TDO
TDI
ENHMASK
TP9388
TP9389
L8_VIN
L8_HIN
VDI
HDI
DRVCLKU0
DRVCLKU1
DRVCLKU2
DRVCLKU3
R9382
10k
FPCLK
FPDAT0
FPDAT1
L8R_MONOUT1
SFRST
SFVRST
LATCH
IIC
SDA
SCL
AA_XCE
ROMCE
VDD25
VREF
R9937
1k
R9936
1k
C9966
16V
0.1u
C9960
6.3V
10u
C9954
4V
56u
C9961
10u
6.3V
C9953
4V
56u
IC9900
MN84521-A
FORMAT CONVERTER
RGB PROCESSOR
R9920
10k
R9919
10k
R9317
390
FULL0
R9917
0
R9918
0
R9922
0
31
32
33
34
35
5V_SENSE
MODEL1
P3.3V
R9370
10k
D9301
MA3X152K0L
R9369
4.7k
R9371
100k
Q9301
B1ABCF000138
C9468
50V
0.01u
R9395
22
D-ODED1
D-CLRD
D-PCD1
D-LED
TP9303
TP9304
FL9300
F1J1E1040022
P5V
FL9301
F1J1E1040022
TP9372
D31
TO
C1-BOARD
(C11)
DOWN_LEFT
D32
TO
C2-BOARD
(C21)
DOWN_RIGHT

TH-37/42PA60E, TH-37/42PD60B D-Board (5 of 6) Schematic Diagram

37 38 39 40 41

D-BOARD TZTNP01BMTB (5/6)

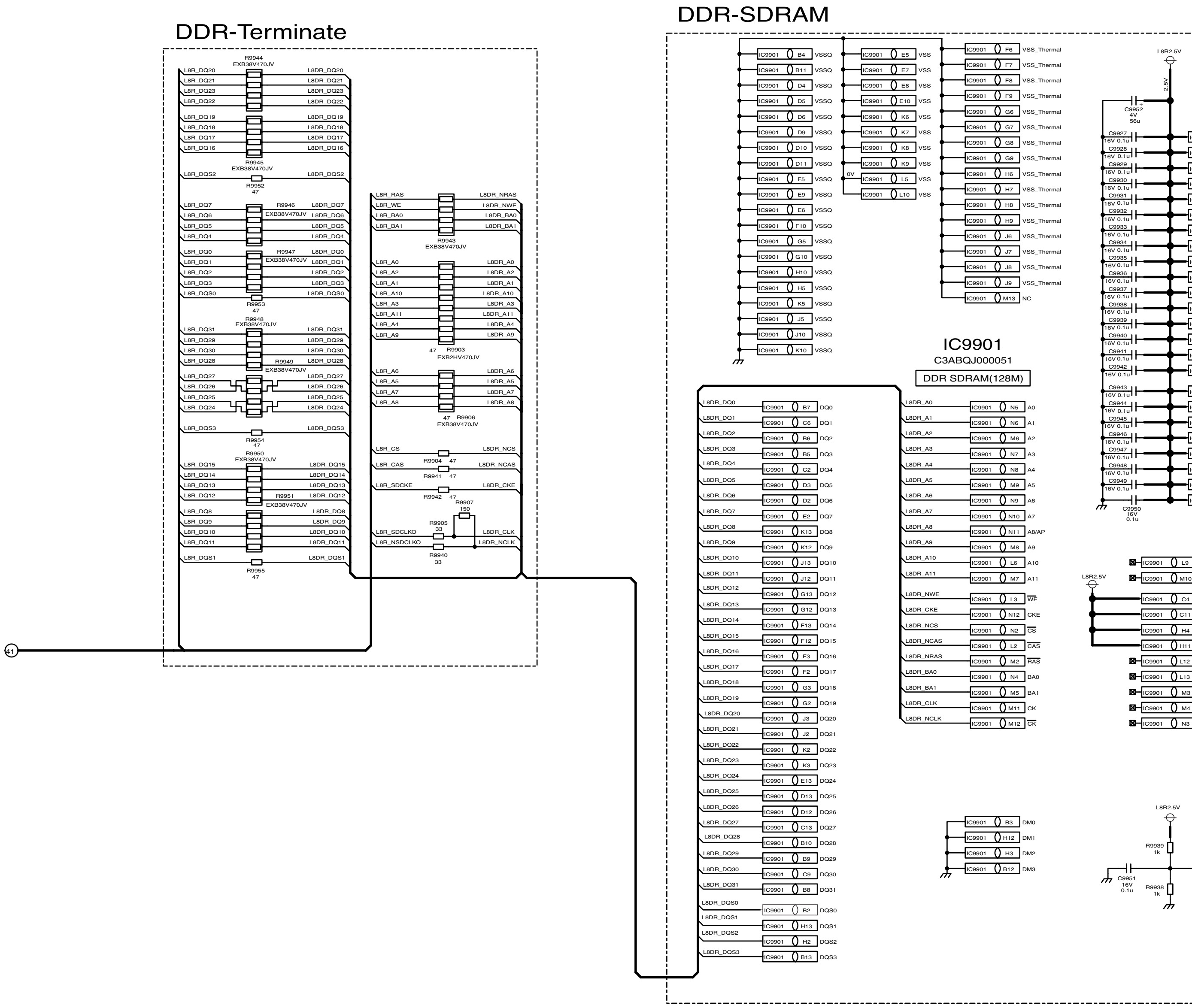


to DDR
FPCLK
FPDAT0
FPDAT1
L8R_MONOUT1
SFRST
SFVRST
LATCH
IC9900 B9 FPCLK
IC9900 D10 FPDAT0
IC9900 A9 FPDAT1
IC9900 J2 MONOUT1
IC9900 B10 SFRST
IC9900 C10 SFVRST
IC9900 A10 SFLATCH
L8R1.2V
L8R3.3V
L8R2.5V
C9906
C9907
C9908
C9909
C9910
C9911
C9912
C9913
C9914
C9915
C9916
C9917
C9918
C9919
C9920
16V 0.1u
C9961
10u
6.3V
C9953
4V
56u
IC9900 C1 VDD12
IC9900 C2 VDD12
IC9900 D3 VDD12
IC9900 E4 VDD12
IC9900 E7 VDD12
IC9900 E8 VDD12
IC9900 E15 VDD12
IC9900 E16 VDD12
IC9900 F5 VDD12
IC9900 G5 VDD12
IC9900 H5 VDD12
IC9900 J5 VDD12
IC9900 L18 VDD12
IC9900 M18 VDD12
IC9900 N18 VDD12
IC9900 V13 VDD12
IC9900 V14 VDD12
IC9900 V15 VDD12
C9921
C9922
C9923
C9924
C9925
0.1u
16V
C9962
6.3V
10u
C9965
4V
56u
IC9900 E9 VDD33
IC9900 E10 VDD33
IC9900 E11 VDD33
IC9900 E12 VDD33
IC9900 E13 VDD33
IC9900 E14 VDD33
IC9900 H18 VDD33
IC9900 J18 VDD33
IC9900 K5 VDD33
IC9900 K18 VDD33
IC9900 L5 VDD33
IC9900 M5 VDD33
IC9900 N5 VDD33
IC9900 P5 VDD33
IC9900 P18 VDD33
IC9900 R18 VDD33
IC9900 T18 VDD33
IC9900 U18 VDD33
IC9900 V16 VDD33
IC9900 V17 VDD33
IC9900 V19 VDD33
IC9900 W20 VDD33
IC9900 W21 VDD33
IC9900 Y21 VDD33
IC9900 Y22 VDD33
FL9904
J0HABH000013
C9955
16V
0.1u
C9963
6.3V
10u
IC9900 T3 AVDD25_1
IC9900 Y4 AVDD25_2
IC9900 W5 AVDD25_3
IC9900 W12 AVDD25_4
FL9903
J0HABH000013
C9957
16V 0.1u
C9964
6.3V
10u
IC9900 AB15 AVDD33_1
IC9900 AB16 AVDD33_2
R9919
10k
IC9900 L2 ID0
IC9900 L3 ID1
IC9900 H1 MUTE
IC9900 C8 TEST0
IC9900 B7 TEST1
IC9900 A7 K_TEST
IC9900 A8 TCKSEL0
IC9900 D9 TCKSEL1
IC9900 B8 TCKSEL2
R9922
0
IC9900 A1 VSS
IC9900 A2 VSS
IC9900 A21 VSS
IC9900 A22 VSS
IC9900 B1 VSS
IC9900 B2 VSS
IC9900 B21 VSS
IC9900 B22 VSS
IC9900 C3 VSS
IC9900 C20 VSS
IC9900 D4 VSS
IC9900 D19 VSS
IC9900 E5 VSS
IC9900 E6 VSS
IC9900 E17 VSS
IC9900 E18 VSS
IC9900 F6 VSS
IC9900 F18 VSS
IC9900 G18 VSS
IC9900 J9 VSS
IC9900 J10 VSS
IC9900 J11 VSS
IC9900 J12 VSS
IC9900 J13 VSS
IC9900 J14 VSS
IC9900 K9 VSS
IC9900 K10 VSS
IC9900 K11 VSS
IC9900 K12 VSS
IC9900 K13 VSS
IC9900 K14 VSS
IC9900 L9 VSS
IC9900 L10 VSS
IC9900 L11 VSS
IC9900 L12 VSS
IC9900 L13 VSS
IC9900 L14 VSS
IC9900 M9 VSS
IC9900 M10 VSS
IC9900 M11 VSS
IC9900 M12 VSS
IC9900 M13 VSS
IC9900 M14 VSS
IC9900 N9 VSS
IC9900 N10 VSS
IC9900 N11 VSS
IC9900 N12 VSS
IC9900 N13 VSS
IC9900 N14 VSS
IC9900 P9 VSS
IC9900 P10 VSS
IC9900 P11 VSS
IC9900 P12 VSS
IC9900 P13 VSS
IC9900 P14 VSS
IC9900 V5 VSS
IC9900 V9 VSS
IC9900 W4 VSS
IC9900 W17 VSS
IC9900 W18 VSS
IC9900 W19 VSS
IC9900 Y3 VSS
IC9900 Y15 VSS
IC9900 Y17 VSS
IC9900 Y18 VSS
IC9900 Y19 VSS
IC9900 Y20 VSS
IC9900 AA2 VSS
IC9900 AA21 VSS
IC9900 AA22 VSS
IC9900 AB1 VSS
IC9900 AB2 VSS
IC9900 AB17 VSS
IC9900 AB21 VSS
IC9900 AB22 VSS
IC9900 U2 AVSS_1
IC9900 T5 AVSS_2
IC9900 V6 AVSS_3
IC9900 Y12 AVSS_4
IC9900 AA15 AVSS1
IC9900 AA16 AVSS2
L8R_A0
L8R_A1
L8R_A2
L8R_A3
L8R_A4
L8R_A5
L8R_A6
L8R_A7
L8R_A8
L8R_A9
L8R_A10
L8R_A11
L8R_BA0
L8R_BA1
L8R_SDCLKO
L8R_NSDCLKO
L8R_SDCKE
L8R_CAS
L8R_CS
L8R_WE
L8R_RAS
IC9900 Y7 A0
IC9900 Y8 A1
IC9900 W8 A2
IC9900 Y9 A3
IC9900 AB6 A4
IC9900 AA8 A5
IC9900 AB7 A6
IC9900 AB8 A7
IC9900 AA9 A8
IC9900 AA7 A9
IC9900 W9 A10
IC9900 AA6 A11
IC9900 AB4 BA0
IC9900 AB5 BA1
IC9900 AA3 CK
IC9900 AB3 NCK
IC9900 AA5 CKE
IC9900 Y5 NCAS
IC9900 W7 NCS
IC9900 W6 NWE
IC9900 Y6 NRAS
L8R_DQ0 … L8R_DQ31
IC9900 Y1 DQ0
IC9900 W2 DQ1
IC9900 W1 DQ2
IC9900 V2 DQ3
IC9900 V3 DQ4
IC9900 U4 DQ5
IC9900 U3 DQ6
IC9900 T4 DQ7
IC9900 AB14 DQ8
IC9900 AA14 DQ9
IC9900 AB13 DQ10
IC9900 AA13 DQ11
IC9900 Y14 DQ12
IC9900 W14 DQ13
IC9900 Y13 DQ14
IC9900 W13 DQ15
IC9900 R4 DQ16
IC9900 R3 DQ17
IC9900 P4 DQ18
IC9900 P3 DQ19
IC9900 T2 DQ20
IC9900 T1 DQ21
IC9900 R1 DQ22
IC9900 R2 DQ23
IC9900 Y11 DQ24
IC9900 W11 DQ25
IC9900 Y10 DQ26
IC9900 W10 DQ27
IC9900 AB11 DQ28
IC9900 AB10 DQ29
IC9900 AA11 DQ30
IC9900 AA10 DQ31
L8R_DQS0
L8R_DQS1
L8R_DQS2
L8R_DQS3
IC9900 V1 DQS0
IC9900 AB12 DQS1
IC9900 U1 DQS2
IC9900 AA12 DQS3
41
R9555
0
R9929
0
IC9900 AA17 SDIV0
IC9900 W16 SDIV1
IC9900 M3 FULL1
IC9900 Y16 SDSEL
IC9900 W15 TCPOUT
IC9900 J3 MONOUT0
IC9900 J1 MONOUT2
IC9900 A6 OCKOUT
IC9900 M1 TILD
IC9900 L4 TIIC
SOS8_SS
DRVRST
TP9387
R9390
100
R9391
100k
Q9302
B1ABCF000138
5V_SENSE
NUEL
UMH
UML
USH
USL
UEH
D-ODED2
D-CLRD
D-PCD2
D-LED
R9357
EXB2HV820JV
R9358
EXB2HV820JV
R9359
EXB2HV820JV
R9360
EXB38V820JV
R9361
22
R9362
22
R9363
EXB2HV820JV
L8R_DRVCLKD1
L8R_DRVCLKD0
P3.3V
R9367
10k
D9300
MA3X152K0L
R9366
4.7k
Q9300
B1ABCF000138
R9368
100k
C9467
50V
0.01u
5V_DET3
P5V
FL9301
F1J1E1040022
TP9372
TP9305
ZA9001
K4CD01000011
D32
TO
C2-BOARD
(C21)
OWN_RIGHT
SIDE
TERM
P5V
P5V
P5V
NC
DOUTDC[6]
DOUTDB[6]
DOUTDA[6]
GND
DOUTDC[7]
DOUTDB[7]
DOUTDA[7]
GND
DOUTDC[4]
DOUTDB[4]
DOUTDA[4]
GND
DOUTDC[5]
DOUTDB[5]
DOUTDA[5]
GND
DOUTDC[2]
DOUTDB[2]
DOUTDA[2]
GND
DOUTDC[3]
DOUTDB[3]
DOUTDA[3]
GND
DOUTDC[0]
DOUTDB[0]
DOUTDA[0]
GND
DOUTDC[1]
DOUTDB[1]
DOUTDA[1]
GND
ODED2
CLRD
PCD2
LED
GND
CLK[1](-)
CLK[0](+)
GND
SOS8_SS
NUEL
UMH
UML
USH
USL
UEH
GND
GND
5V_DET

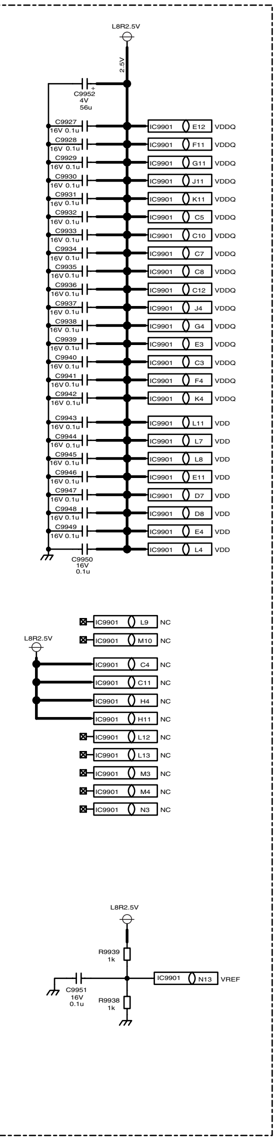
TH-37/42PA60E, TH-37/42PD60B
D-Board (5 of 6) Schematic Diagram

14.49. D-Board (6 of 6) Schematic Diagram

D-BOARD TZTNP01BMTB (6/6)

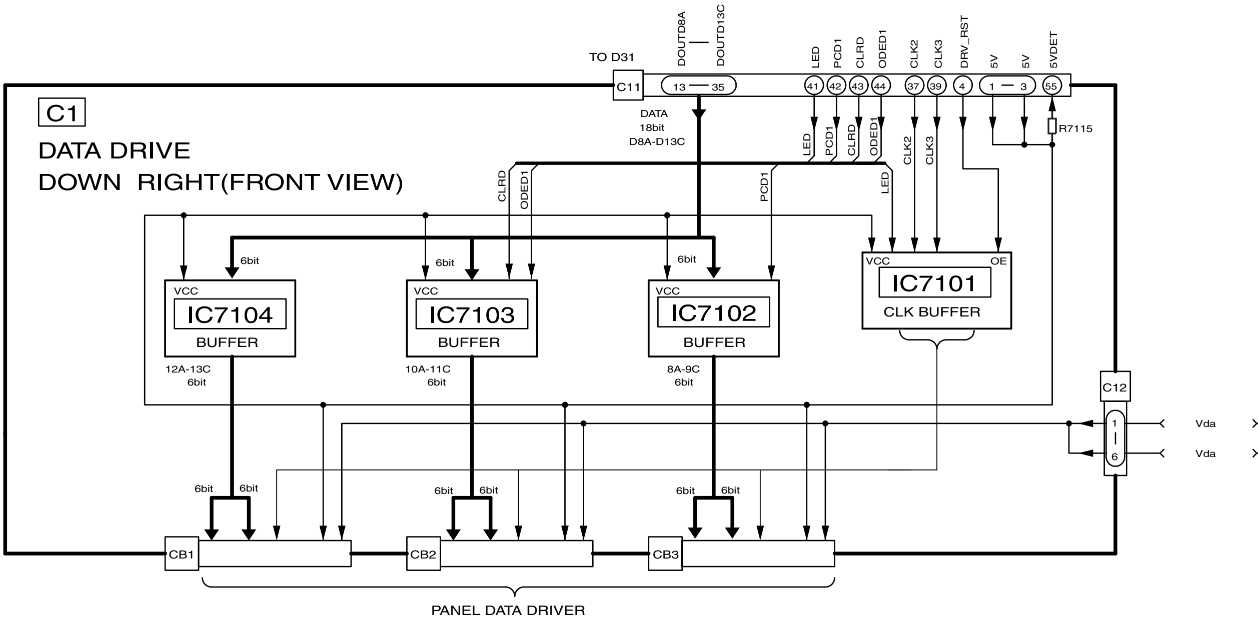

DDR-Terminate
DDR-SDRAM
R9944 EXB38V470JV
R9945 EXB38V470JV
R9952 47
R9946 EXB38V470JV
R9947 EXB38V470JV
R9953 47
R9948 EXB38V470JV
R9949 EXB38V470JV
R9954 47
R9950 EXB38V470JV
R9951 EXB38V470JV
R9955 47
R9943 EXB38V470JV
R9903 EXB2HV470JV
R9906 EXB38V470JV
R9904 47
R9941 47
R9942 47
R9907 150
R9905 33
R9940 33
L8R_DQ0 … L8R_DQ31
L8DR_DQ0 … L8DR_DQ31
L8R_DQS0 L8R_DQS1 L8R_DQS2 L8R_DQS3
L8DR_DQS0 L8DR_DQS1 L8DR_DQS2 L8DR_DQS3
L8R_RAS L8DR_NRAS
L8R_WE L8DR_NWE
L8R_BA0 L8DR_BA0
L8R_BA1 L8DR_BA1
L8R_A0 … L8R_A11
L8DR_A0 … L8DR_A11
L8R_CS L8DR_NCS
L8R_CAS L8DR_NCAS
L8R_SDCKE L8DR_CKE
L8R_SDCLKO L8DR_CLK
L8R_NSDCLKO L8DR_NCLK
41
IC9901
C3ABQJ000051
DDR SDRAM(128M)
VSSQ
VSS
VSS_Thermal
NC
0V
L8R2.5V
2.5V
C9952 4V 56u
C9927 … C9949 16V 0.1u
C9950 16V 0.1u
C9951 16V 0.1u
R9939 1k
R9938 1k
DQ0 … DQ31
DQS0 DQS1 DQS2 DQS3
A0 A1 A2 A3 A4 A5 A6 A7 A8/AP A9 A10 A11
WE CKE CS CAS RAS BA0 BA1 CK CK
DM0 DM1 DM2 DM3

TH-37/42PA60E, TH-37/42PD60B
D-Board (6 of 6) Schematic Diagram

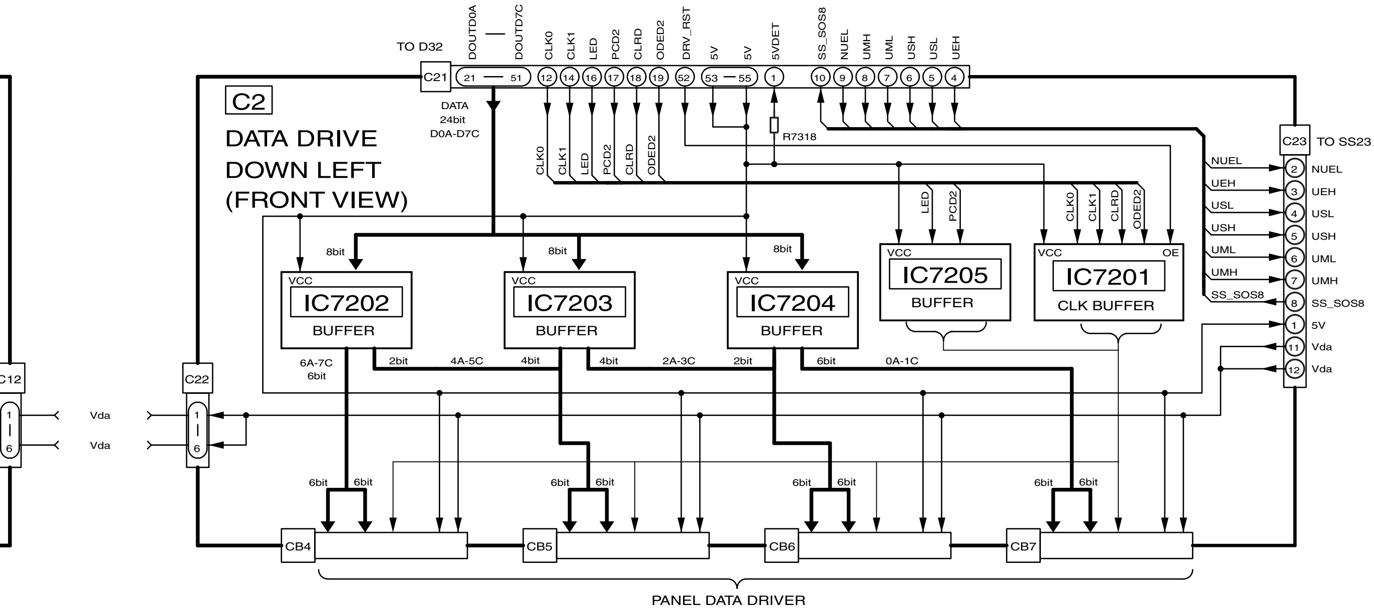

L8R2.5V
2.5V
C9952
4V
56u
C9927 16V 0.1u
C9928 16V 0.1u
C9929 16V 0.1u
C9930 16V 0.1u
C9931 16V 0.1u
C9932 16V 0.1u
C9933 16V 0.1u
C9934 16V 0.1u
C9935 16V 0.1u
C9936 16V 0.1u
C9937 16V 0.1u
C9938 16V 0.1u
C9939 16V 0.1u
C9940 16V 0.1u
C9941 16V 0.1u
C9942 16V 0.1u
C9943 16V 0.1u
C9944 16V 0.1u
C9945 16V 0.1u
C9946 16V 0.1u
C9947 16V 0.1u
C9948 16V 0.1u
C9949 16V 0.1u
C9950 16V 0.1u
IC9901 E12 VDDQ
IC9901 F11 VDDQ
IC9901 G11 VDDQ
IC9901 J11 VDDQ
IC9901 K11 VDDQ
IC9901 C5 VDDQ
IC9901 C10 VDDQ
IC9901 C7 VDDQ
IC9901 C8 VDDQ
IC9901 C12 VDDQ
IC9901 J4 VDDQ
IC9901 G4 VDDQ
IC9901 E3 VDDQ
IC9901 C3 VDDQ
IC9901 F4 VDDQ
IC9901 K4 VDDQ
IC9901 L11 VDD
IC9901 L7 VDD
IC9901 L8 VDD
IC9901 E11 VDD
IC9901 D7 VDD
IC9901 D8 VDD
IC9901 E4 VDD
IC9901 L4 VDD
IC9901 L9 NC
IC9901 M10 NC
L8R2.5V
IC9901 C4 NC
IC9901 C11 NC
IC9901 H4 NC
IC9901 H11 NC
IC9901 L12 NC
IC9901 L13 NC
IC9901 M3 NC
IC9901 M4 NC
IC9901 N3 NC
L8R2.5V
R9939 1k
C9951 16V 0.1u
R9938 1k
IC9901 N13 VREF

TH-37/42PA60E, TH-37/42PD60B
D-Board (6 of 6) Schematic Diagram

14.50. C1 and C2 Block Diagram

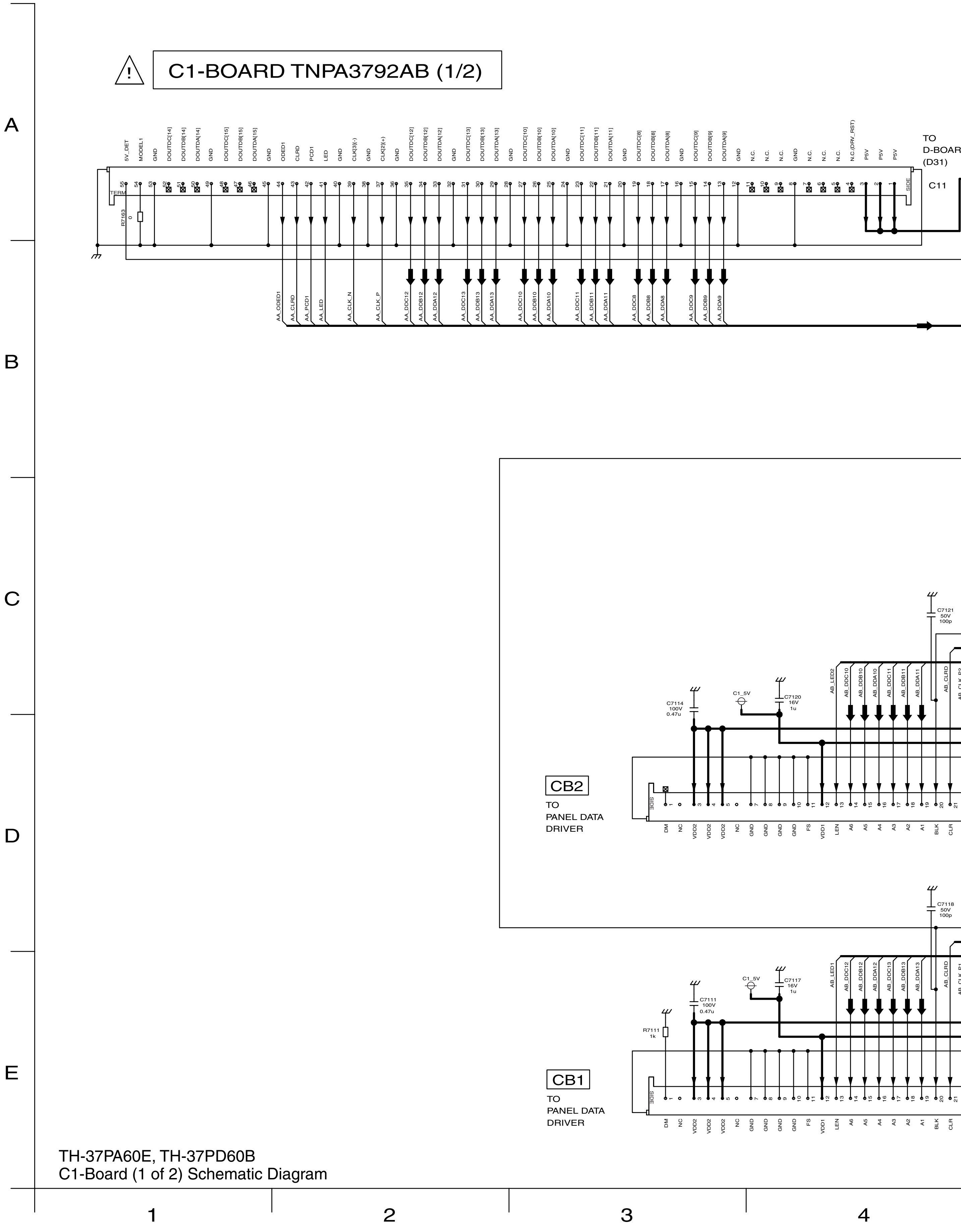

TO D31
C11
DOUTD8A
DOUTD13C
13 — 35
LED
PCD1
CLRD
ODED1
CLK2
CLK3
DRV_RST
5V
5V
5VDET
41
42
43
44
37
39
4
1 — 3
55
R7115
C1
DATA DRIVE
DOWN RIGHT(FRONT VIEW)
DATA
18bit
D8A-D13C
CLRD
ODED1
PCD1
LED
6bit
VCC
IC7104
BUFFER
12A-13C
6bit
IC7103
10A-11C
IC7102
8A-9C
OE
IC7101
CLK BUFFER
C12
1
6
Vda
Vda
CB1
CB2
CB3
PANEL DATA DRIVER

TH-37/42PA60E, TH-37/42PD60B
C1 and C2-Board Block Diagram


C2
DATA DRIVE
DOWN LEFT
(FRONT VIEW)
TO D32
C21
DOUTD0A
DOUTD7C
21
51
CLK0
CLK1
LED
PCD2
CLRD
ODED2
DRV_RST
5V
5V
5VDET
SS_SOS8
NUEL
UMH
UML
USH
USL
UEH
12
14
16
17
18
19
52
53
55
1
10
9
8
7
6
5
4
DATA
24bit
D0A-D7C
R7318
C23
TO SS23
NUEL
UEH
USL
USH
UML
UMH
SS_SOS8
2
3
4
5
6
7
8
1
11
12
NUEL
UEH
USL
USH
UML
UMH
SS_SOS8
5V
Vda
Vda
8bit
8bit
8bit
VCC
IC7202
BUFFER
VCC
IC7203
BUFFER
VCC
IC7204
BUFFER
VCC
IC7205
BUFFER
LED
PCD2
VCC
OE
IC7201
CLK BUFFER
CLK0
CLK1
CLRD
ODED2
6A-7C
6bit
2bit
4A-5C
4bit
4bit
2A-3C
2bit
6bit
0A-1C
C12
C22
1
6
1
6
Vda
Vda
6bit
6bit
6bit
6bit
6bit
6bit
6bit
6bit
CB4
CB5
CB6
CB7
PANEL DATA DRIVER

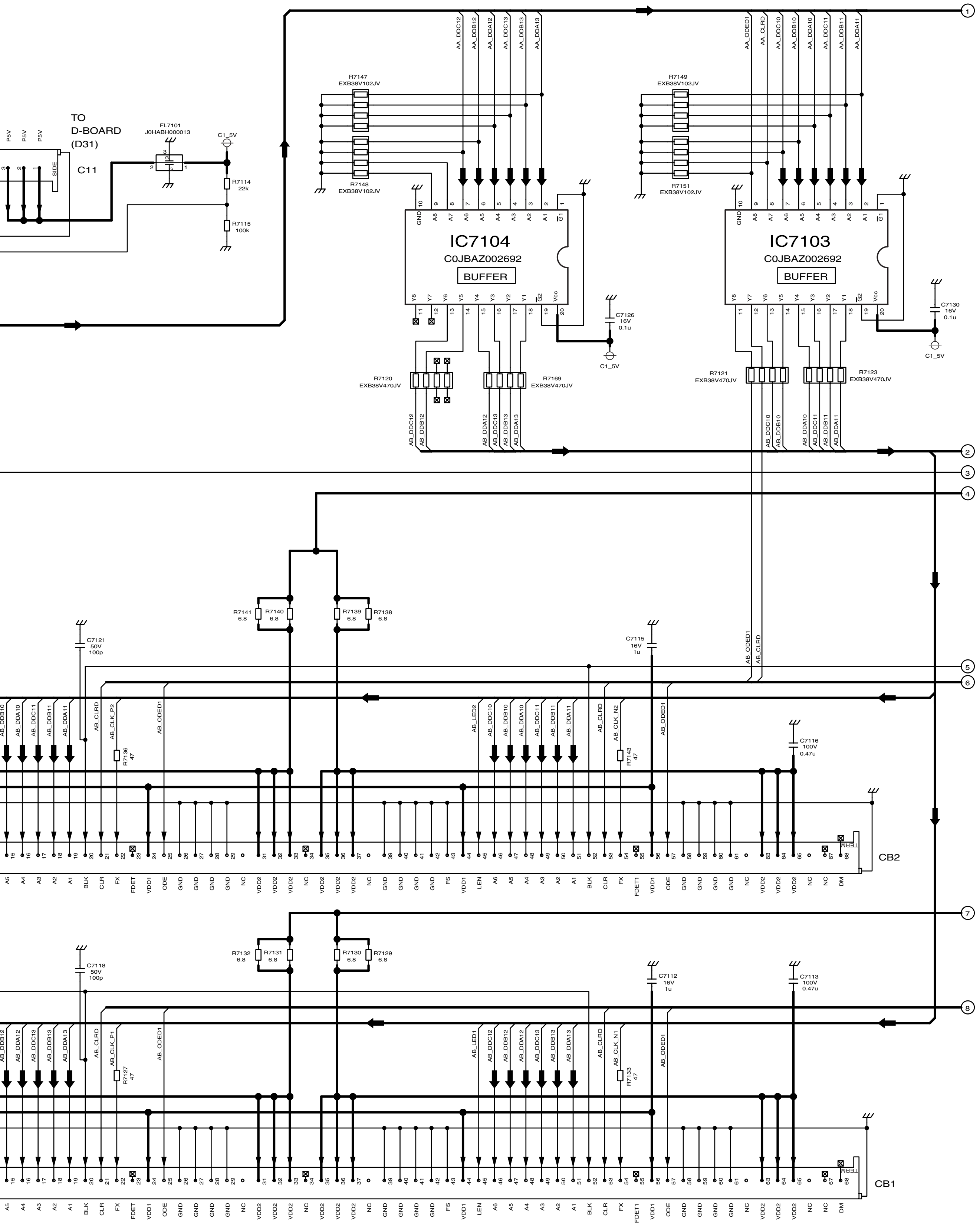
TH-37/42PA60E, TH-37/42PD60B
C1 and C2-Board Block Diagram

14.51. C1-Board (1 of 2) Schematic Diagram (37inch)



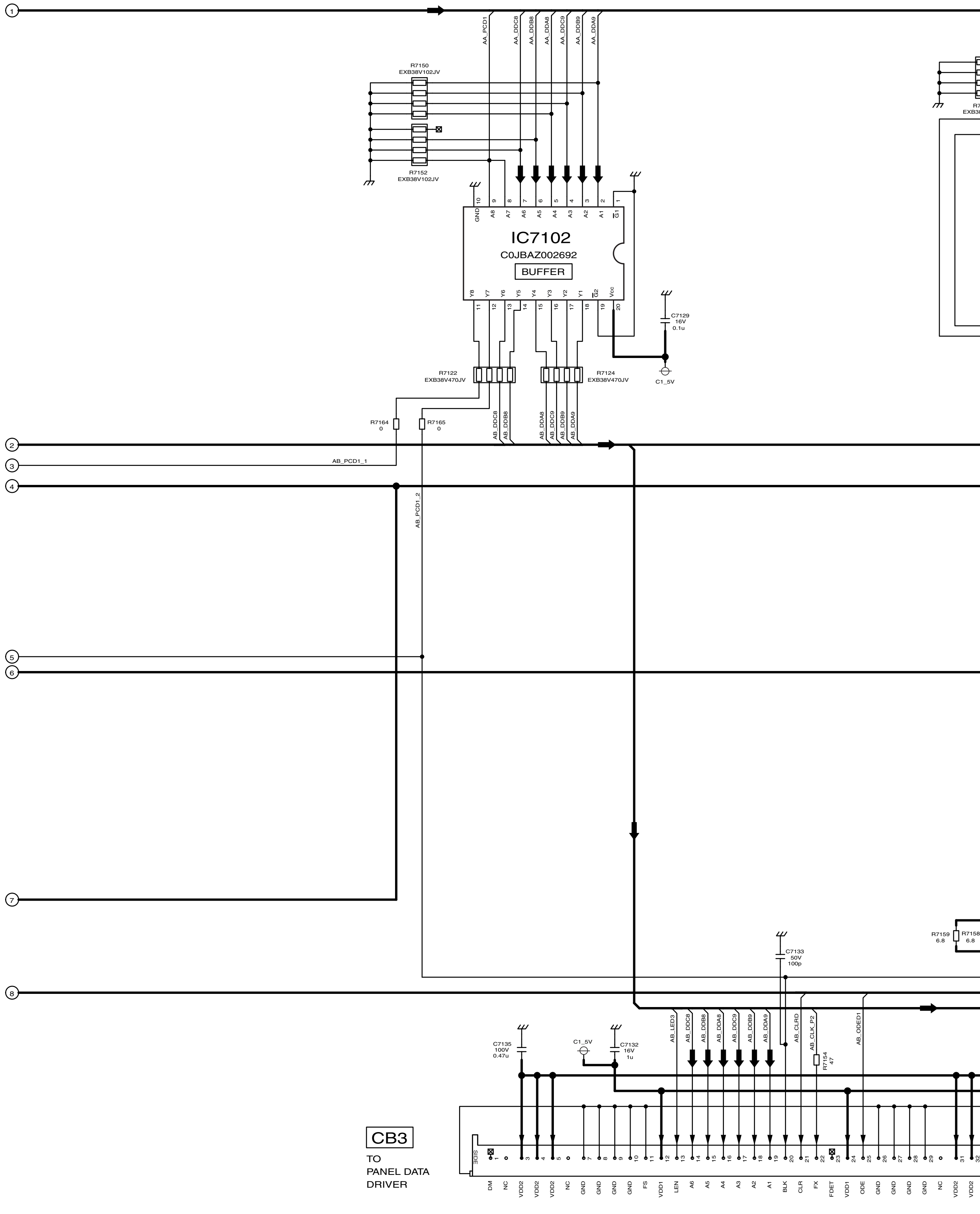
C1-BOARD TNPA3792AB (1/2)
A
B
C
D
E
1
2
3
4
TO
D-BOAR
(D31)
C11
5V_DET
MODEL1
GND
DOUTDC[14]
DOUTDB[14]
DOUTDA[14]
DOUTDC[15]
DOUTDB[15]
DOUTDA[15]
ODED1
CLRD
PCD1
LED
CLK[3](-)
CLK[2](+)
DOUTDC[12]
DOUTDB[12]
DOUTDA[12]
DOUTDC[13]
DOUTDB[13]
DOUTDA[13]
DOUTDC[10]
DOUTDB[10]
DOUTDA[10]
DOUTDC[11]
DOUTDB[11]
DOUTDA[11]
DOUTDC[8]
DOUTDB[8]
DOUTDA[8]
DOUTDC[9]
DOUTDB[9]
DOUTDA[9]
N.C.
N.C.(DRV_RST)
P5V
TERM
SIDE
R7163
0
AA_ODED1
AA_CLRD
AA_PCD1
AA_LED
AA_CLK_N
AA_CLK_P
AA_DDC12
AA_DDB12
AA_DDA12
AA_DDC13
AA_DDB13
AA_DDA13
AA_DDC10
AA_DDB10
AA_DDA10
AA_DDC11
AA_DDB11
AA_DDA11
AA_DDC8
AA_DDB8
AA_DDA8
AA_DDC9
AA_DDB9
AA_DDA9
C7121
50V
100p
AB_LED2
AB_DDC10
AB_DDB10
AB_DDA10
AB_DDC11
AB_DDB11
AB_DDA11
AB_CLRD
C7114
100V
0.47u
C1_5V
C7120
16V
1u
CB2
TO
PANEL DATA
DRIVER
DM
NC
VDD2
GND
FS
VDD1
LEN
A6
A5
A4
A3
A2
A1
BLK
CLR
C7118
50V
100p
AB_LED1
AB_DDC12
AB_DDB12
AB_DDA12
AB_DDC13
AB_DDB13
AB_DDA13
C7111
100V
0.47u
C7117
16V
1u
R7111
1k
CB1
TO
PANEL DATA
DRIVER

TH-37PA60E, TH-37PD60B
C1-Board (1 of 2) Schematic Diagram


TO
D-BOARD
(D31)
C11
P5V
SIDE
FL7101
J0HABH000013
C1_5V
R7114
22k
R7115
100k
R7147
EXB38V102JV
R7148
EXB38V102JV
R7149
EXB38V102JV
R7151
EXB38V102JV
AA_DDC12
AA_DDB12
AA_DDA12
AA_DDC13
AA_DDB13
AA_DDA13
AA_ODED1
AA_CLRD
AA_DDC10
AA_DDB10
AA_DDA10
AA_DDC11
AA_DDB11
AA_DDA11
IC7104
C0JBAZ002692
BUFFER
IC7103
C0JBAZ002692
BUFFER
C7126
16V
0.1u
C7130
16V
0.1u
R7120
EXB38V470JV
R7169
EXB38V470JV
R7121
EXB38V470JV
R7123
EXB38V470JV
AB_DDC12
AB_DDB12
AB_DDA12
AB_DDC13
AB_DDB13
AB_DDA13
AB_DDC10
AB_DDB10
AB_DDA10
AB_DDC11
AB_DDB11
AB_DDA11
AB_ODED1
AB_CLRD
AB_CLK_P2
AB_CLK_N2
AB_CLK_P1
AB_CLK_N1
AB_LED2
AB_LED1
R7141
6.8
R7140
6.8
R7139
6.8
R7138
6.8
R7132
6.8
R7131
6.8
R7130
6.8
R7129
6.8
C7121
50V
100p
C7118
50V
100p
C7115
16V
1u
C7112
16V
1u
C7116
100V
0.47u
C7113
100V
0.47u
R7136
47
R7143
47
R7127
47
R7133
47
CB2
CB1
TERM
①
②
③
④
⑤
⑥
⑦
⑧
4
5
6
7
8

TH-37PA60E, TH-37PD60B
C1-Board (1 of 2) Schematic Diagram

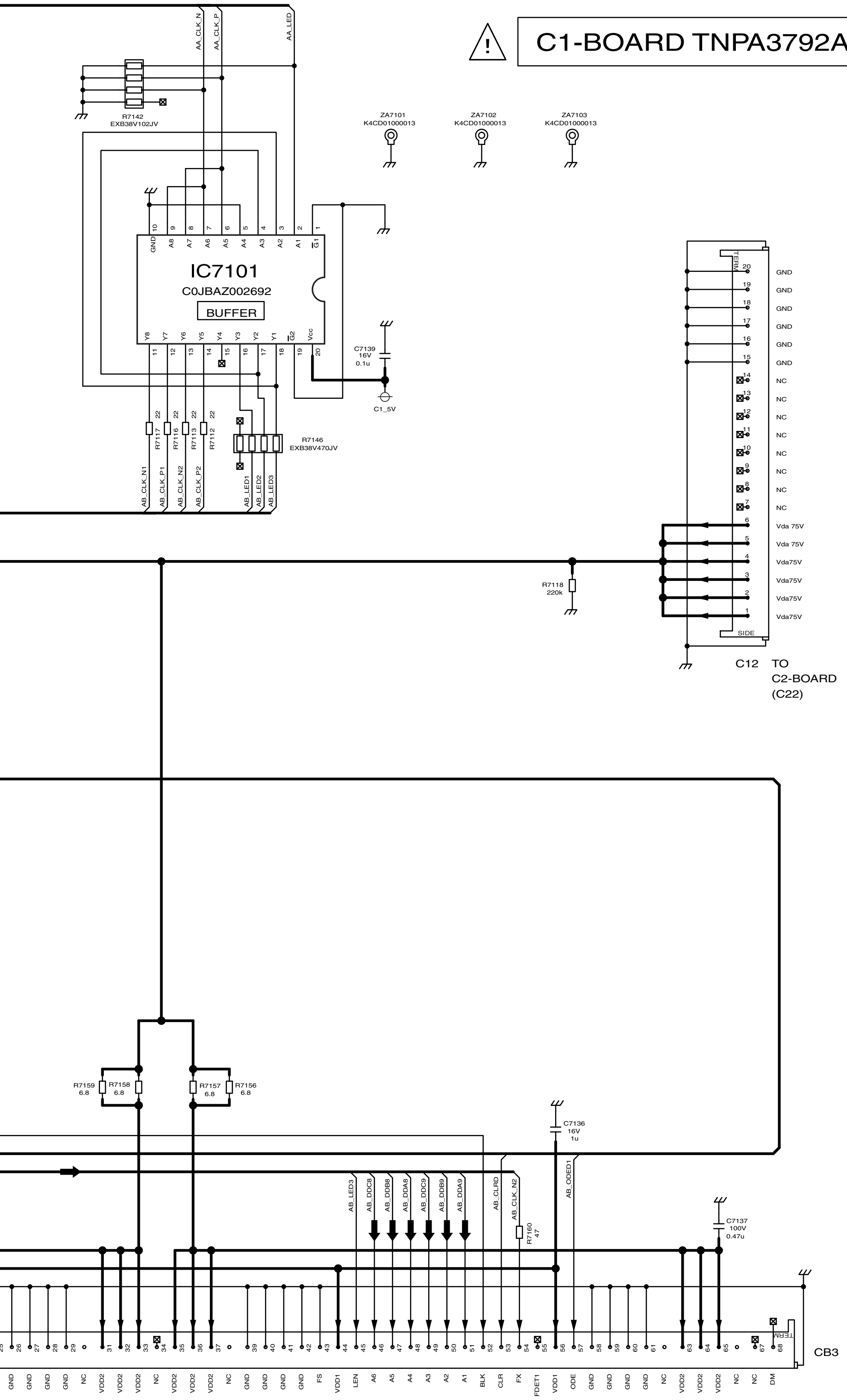
14.52. C1-Board (2 of 2) Schematic Diagram (37inch)


1
2
3
4
5
6
7
8
AA_PCD1
AA_DDC8
AA_DDB8
AA_DDA8
AA_DDC9
AA_DDB9
AA_DDA9
R7150
EXB38V102JV
R7152
EXB38V102JV
IC7102
C0JBAZ002692
BUFFER
GND
A8
A7
A6
A5
A4
A3
A2
A1
G1
Y8
Y7
Y6
Y5
Y4
Y3
Y2
Y1
G2
Vcc
C7129
16V
0.1u
C1_5V
R7122
EXB38V470JV
R7124
EXB38V470JV
R7164
0
R7165
0
AB_DDC8
AB_DDB8
AB_DDA8
AB_DDC9
AB_DDB9
AB_DDA9
AB_PCD1_1
AB_PCD1_2
R7159
6.8
R7158
6.8
C7133
50V
100p
C7135
100V
0.47u
C1_5V
C7132
16V
1u
AB_LED3
AB_DDC8
AB_DDB8
AB_DDA8
AB_DDC9
AB_DDB9
AB_DDA9
AB_CLRD
AB_CLK_P2
R7154
47
AB_ODED1
CB3
TO
PANEL DATA
DRIVER
SIDE
DM
NC
VDD2
VDD2
VDD2
NC
GND
GND
GND
GND
FS
VDD1
LEN
A6
A5
A4
A3
A2
A1
BLK
CLR
FX
FDET
VDD1
ODE
GND
GND
GND
GND
NC
VDD2
VDD2

TH-37PA60E, TH-37PD60B
C1-Board (2 of 2) Schematic Diagram

8 9 10 11 12

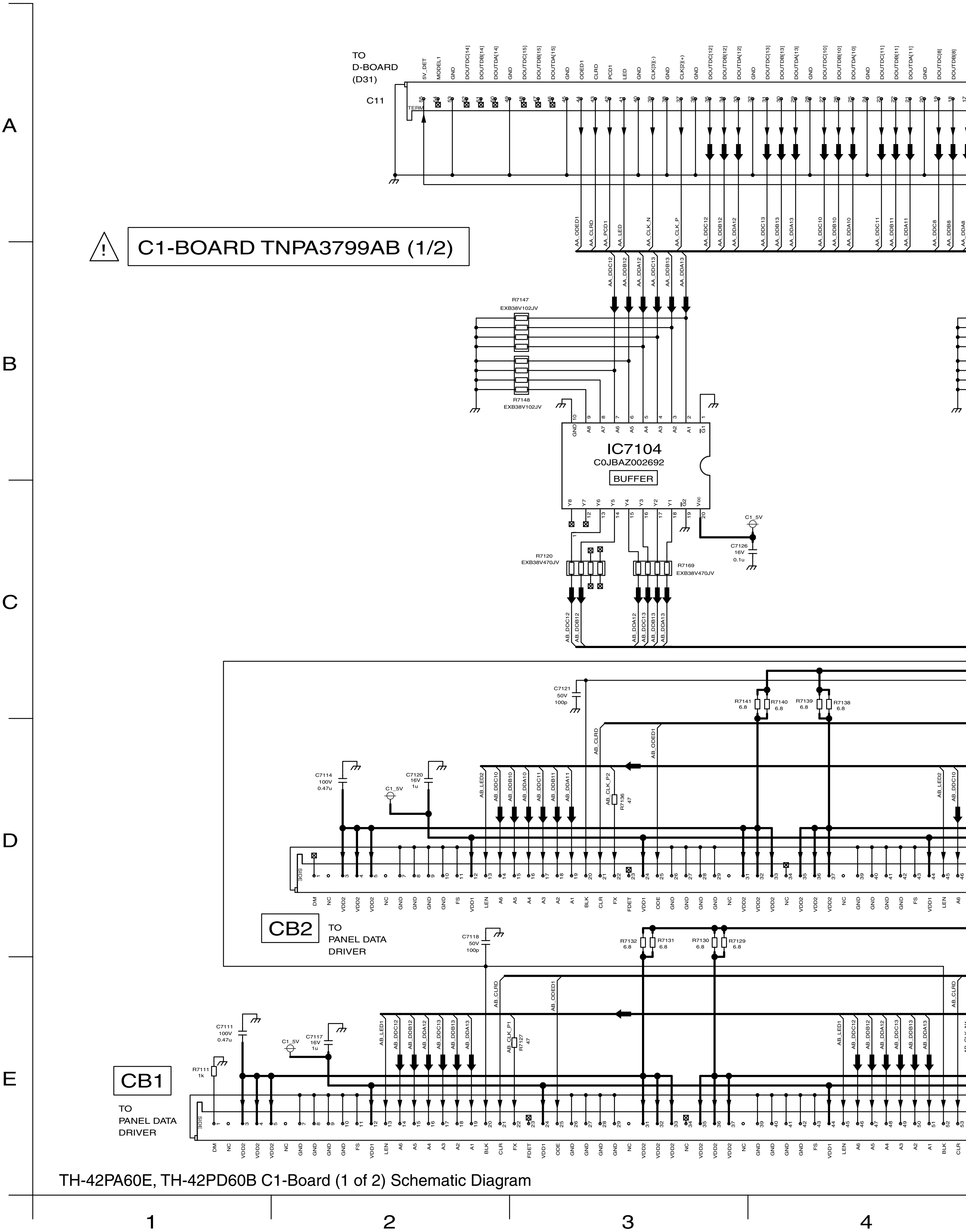
C1-BOARD TNPA3792AB (2/2)



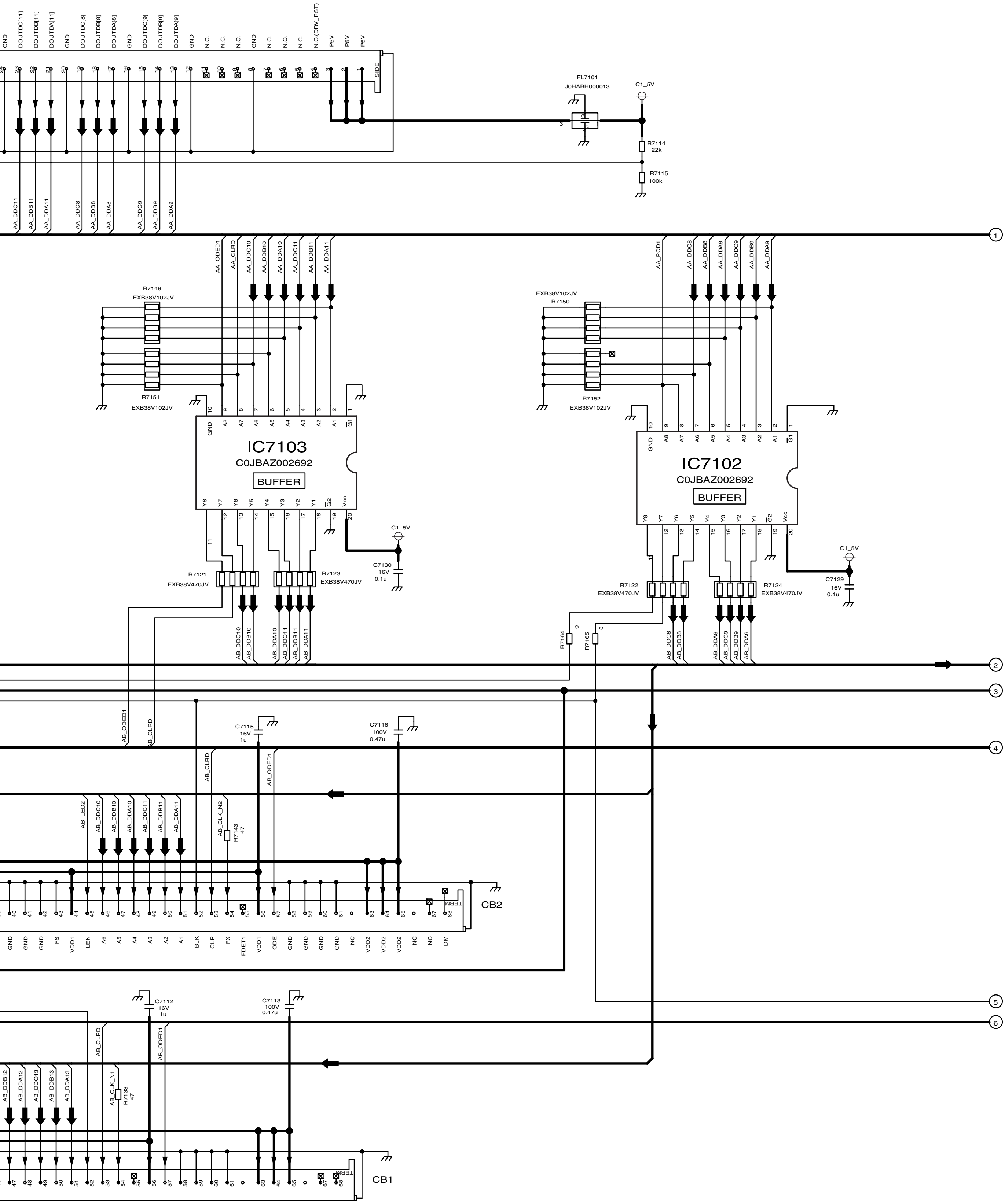
AA_CLK_N
AA_CLK_P
AA_LED
R7142
EXB38V102JV
ZA7101
K4CD01000013
ZA7102
K4CD01000013
ZA7103
K4CD01000013
IC7101
C0JBAZ002692
BUFFER
GND
A8
A7
A6
A5
A4
A3
A2
A1
G1
Y8
Y7
Y6
Y5
Y4
Y3
Y2
Y1
G2
Vcc
C7139
16V
0.1u
C1_5V
R7117
R7116
R7113
R7112
22
R7146
EXB38V470JV
AB_CLK_N1
AB_CLK_P1
AB_CLK_N2
AB_CLK_P2
AB_LED1
AB_LED2
AB_LED3
TERM
GND
NC
Vda 75V
Vda75V
SIDE
C12
TO
C2-BOARD
(C22)
R7118
220k
R7159
6.8
R7158
6.8
R7157
6.8
R7156
6.8
C7136
16V
1u
AB_LED3
AB_DDC8
AB_DDB8
AB_DDA8
AB_DDC9
AB_DDB9
AB_DDA9
AB_CLRD
AB_CLK_N2
R7160
47
AB_ODED1
C7137
100V
0.47u
CB3
VDD2
FS
VDD1
LEN
A6
A5
A4
A3
A2
A1
BLK
CLR
FX
FDET1
ODE
DM

TH-37PA60E, TH-37PD60B
C1-Board (2 of 2) Schematic Diagram

14.53. C1-Board (1 of 2) Schematic Diagram (42inch)


A
B
C
D
E
1
2
3
4
C1-BOARD TNPA3799AB (1/2)
TO
D-BOARD
(D31)
C11
TERM
5V_DET
MODEL1
GND
DOUTDC[14]
DOUTDB[14]
DOUTDA[14]
DOUTDC[15]
DOUTDB[15]
DOUTDA[15]
ODED1
CLRD
PCD1
LED
CLK[3](-)
CLK[2](+)
DOUTDC[12]
DOUTDB[12]
DOUTDA[12]
DOUTDC[13]
DOUTDB[13]
DOUTDA[13]
DOUTDC[10]
DOUTDB[10]
DOUTDA[10]
DOUTDC[11]
DOUTDB[11]
DOUTDA[11]
DOUTDC[8]
DOUTDB[8]
AA_ODED1
AA_CLRD
AA_PCD1
AA_LED
AA_CLK_N
AA_CLK_P
AA_DDC12
AA_DDB12
AA_DDA12
AA_DDC13
AA_DDB13
AA_DDA13
AA_DDC10
AA_DDB10
AA_DDA10
AA_DDC11
AA_DDB11
AA_DDA11
AA_DDC8
AA_DDB8
AA_DDA8
R7147
EXB38V102JV
R7148
EXB38V102JV
IC7104
C0JBAZ002692
BUFFER
GND
A8
A7
A6
A5
A4
A3
A2
A1
G1
Y8
Y7
Y6
Y5
Y4
Y3
Y2
Y1
G2
Vcc
C1_5V
C7126
16V
0.1u
R7120
EXB38V470JV
R7169
EXB38V470JV
AB_DDC12
AB_DDB12
AB_DDA12
AB_DDC13
AB_DDB13
AB_DDA13
C7121
50V
100p
R7141
6.8
R7140
6.8
R7139
6.8
R7138
6.8
AB_CLRD
AB_ODED1
C7114
100V
0.47u
C7120
16V
1u
AB_LED2
AB_DDC10
AB_DDB10
AB_DDA10
AB_DDC11
AB_DDB11
AB_DDA11
AB_CLK_P2
R7136
47
SIDE
DM
NC
VDD2
GND
FS
VDD1
LEN
A6
A5
A4
A3
A2
A1
BLK
CLR
FX
FDET
ODE
CB2
TO
PANEL DATA
DRIVER
C7118
50V
100p
R7132
6.8
R7131
6.8
R7130
6.8
R7129
6.8
C7111
100V
0.47u
C7117
16V
1u
R7111
1k
AB_LED1
AB_CLK_P1
R7127
47
CB1
TO
PANEL DATA
DRIVER

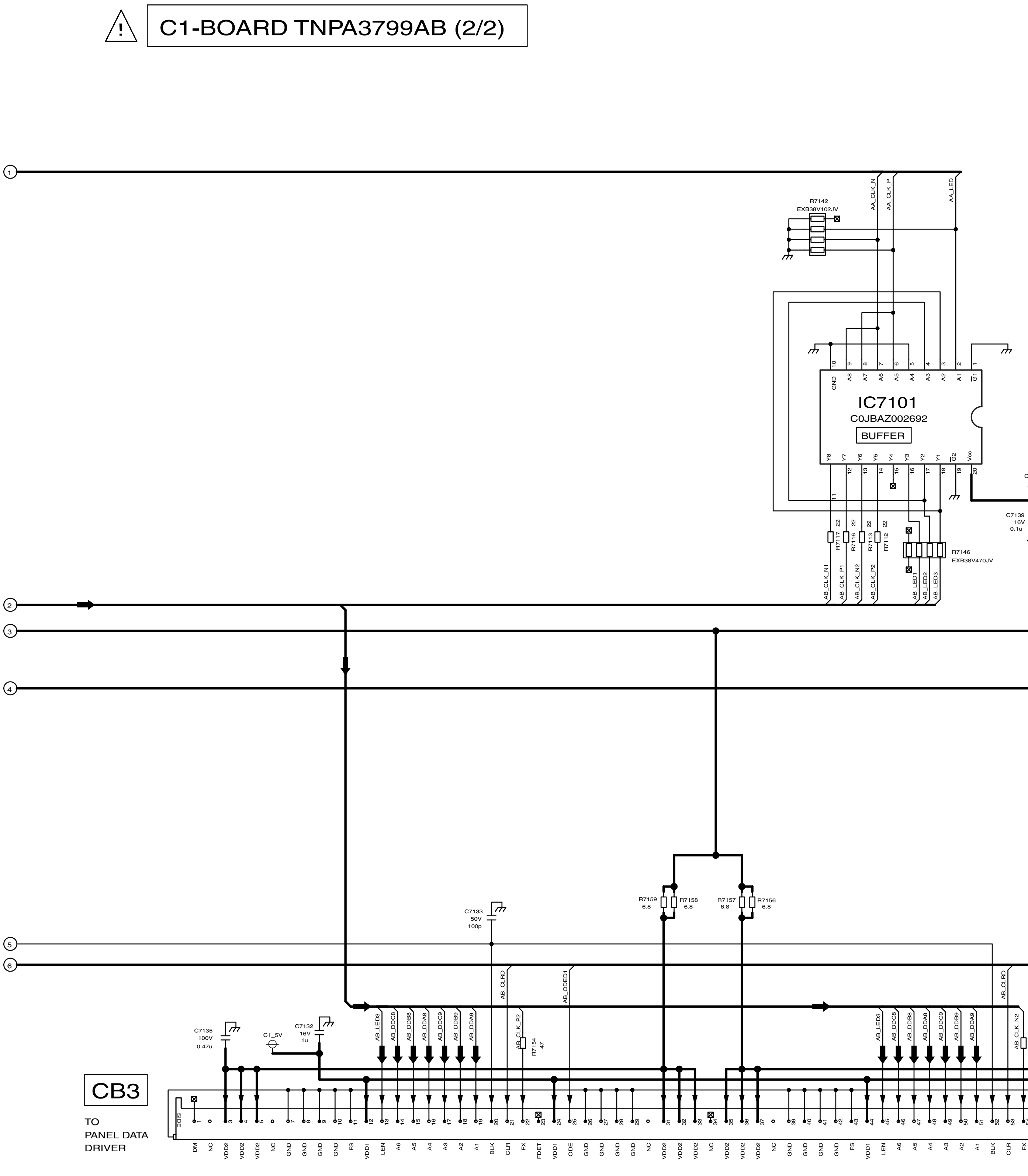
TH-42PA60E, TH-42PD60B C1-Board (1 of 2) Schematic Diagram


GND
DOUTDC[11]
DOUTDB[11]
DOUTDA[11]
DOUTDC[8]
DOUTDB[8]
DOUTDA[8]
DOUTDC[9]
DOUTDB[9]
DOUTDA[9]
N.C.
N.C.(DRV_RST)
P5V
SIDE
FL7101
J0HABH000013
C1_5V
R7114
22k
R7115
100k
AA_DDC11
AA_DDB11
AA_DDA11
AA_DDC8
AA_DDB8
AA_DDA8
AA_DDC9
AA_DDB9
AA_DDA9
AA_ODED1
AA_CLRD
AA_DDC10
AA_DDB10
AA_DDA10
AA_PCD1
R7149
EXB38V102JV
R7151
R7150
R7152
IC7103
C0JBAZ002692
BUFFER
IC7102
GND
A8
A7
A6
A5
A4
A3
A2
A1
G1
Y8
Y7
Y6
Y5
Y4
Y3
Y2
Y1
G2
Vcc
C7130
16V
0.1u
C7129
R7121
EXB38V470JV
R7123
R7122
R7124
AB_DDC10
AB_DDB10
AB_DDA10
AB_DDC11
AB_DDB11
AB_DDA11
AB_DDC8
AB_DDB8
AB_DDA8
AB_DDC9
AB_DDB9
AB_DDA9
R7164
0
R7165
AB_ODED1
AB_CLRD
C7115
16V
1u
C7116
100V
0.47u
AB_LED2
AB_CLK_N2
R7143
47
LEN
FS
VDD1
BLK
CLR
FX
FDET1
ODE
NC
VDD2
DM
TERM
CB2
C7112
C7113
AB_DDB12
AB_DDA12
AB_DDC13
AB_DDB13
AB_DDA13
AB_CLK_N1
R7133
CB1
1
2
3
4
5
6

TH-42PA60E, TH-42PD60B
C1-Board (1 of 2) Schematic Diagram

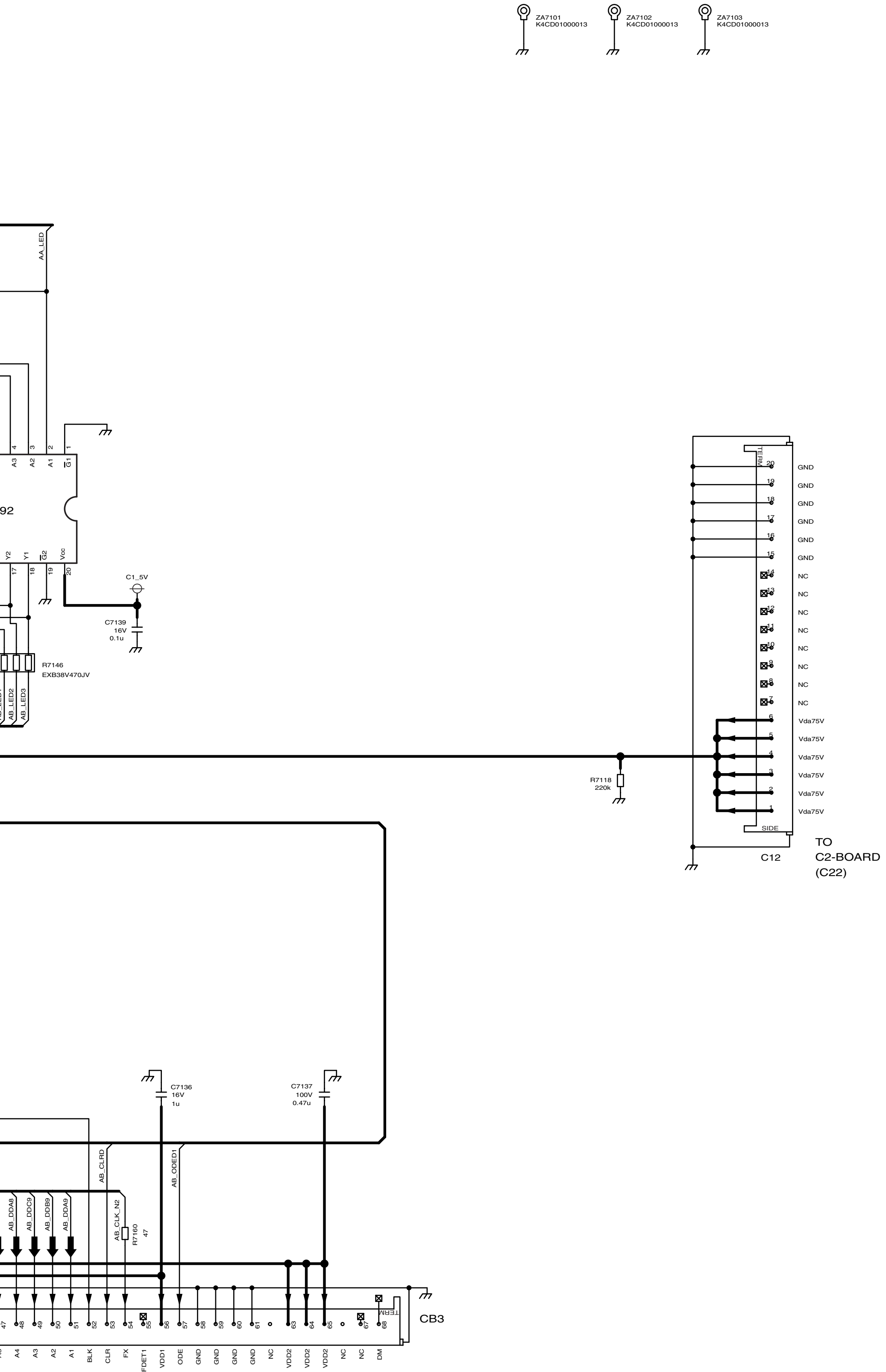
4 5 6 7 8

14.54. C1-Board (2 of 2) Schematic Diagram (42inch)


C1-BOARD TNPA3799AB (2/2)
1
2
3
4
5
6
R7142
EXB38V102JV
AA_CLK_N
AA_CLK_P
AA_LED
IC7101
C0JBAZ002692
BUFFER
GND
A8
A7
A6
A5
A4
A3
A2
A1
G1
Y8
Y7
Y6
Y5
Y4
Y3
Y2
Y1
G2
Vcc
C7139
16V
0.1u
R7117 22
R7116 22
R7113 22
R7112 22
R7146
EXB38V470JV
AB_CLK_N1
AB_CLK_P1
AB_CLK_N2
AB_CLK_P2
AB_LED1
AB_LED2
AB_LED3
R7159 6.8
R7158 6.8
R7157 6.8
R7156 6.8
C7133
50V
100p
AB_CLRD
AB_ODED1
C7135
100V
0.47u
C1_5V
C7132
16V
1u
AB_LED3
AB_DDC8
AB_DDB8
AB_DDA8
AB_DDC9
AB_DDB9
AB_DDA9
AB_CLK_P2
R7154
47
AB_CLK_N2
CB3
TO
PANEL DATA
DRIVER
SIDE
DM
NC
VDD2
VDD2
VDD2
NC
GND
GND
GND
GND
FS
VDD1
LEN
A6
A5
A4
A3
A2
A1
BLK
CLR
FX
FDET
VDD1
ODE
GND
GND
GND
GND
NC
VDD2
VDD2
VDD2
NC
VDD2
VDD2
VDD2
NC
GND
GND
GND
GND
FS
VDD1
LEN
A6
A5
A4
A3
A2
A1
BLK
CLR
FX

TH-42PA60E, TH-42PD60B C1-Board (2 of 2) Schematic Diagram

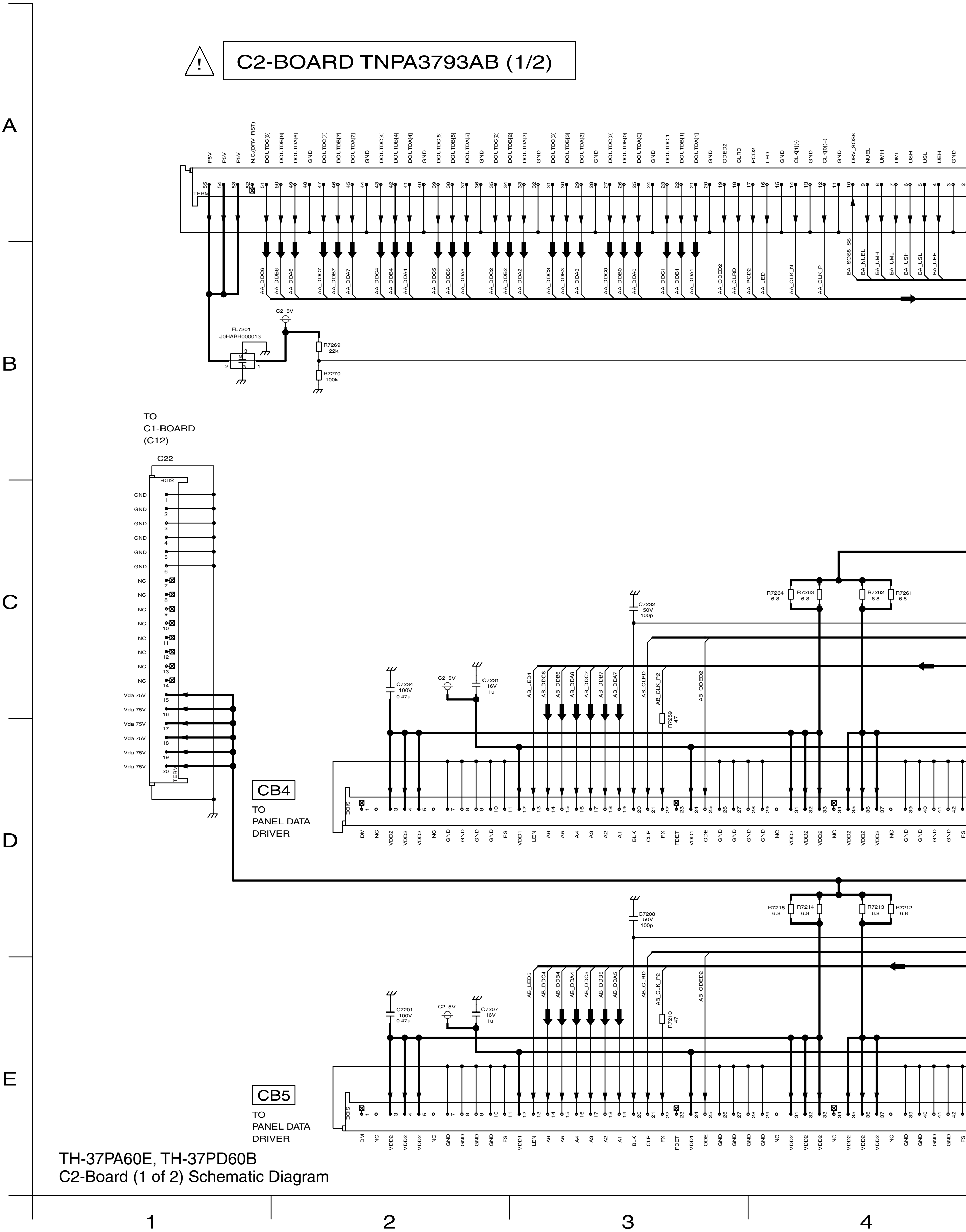
8 9 10 11 12


ZA7101
K4CD01000013
ZA7102
K4CD01000013
ZA7103
K4CD01000013
AA_LED
A3
A2
A1
G1
92
Y2
Y1
G2
Vcc
C1_5V
C7139
16V
0.1u
R7146
EXB38V470JV
AB_LED2
AB_LED3
R7118
220k
TERM
GND
NC
Vda75V
SIDE
C12
TO
C2-BOARD
(C22)
C7136
16V
1u
C7137
100V
0.47u
AB_CLRD
AB_ODED1
AB_DDA8
AB_DDC9
AB_DDB9
AB_DDA9
AB_CLK_N2
R7160
47
A4
A3
A2
A1
BLK
CLR
FX
FDET1
VDD1
ODE
GND
NC
VDD2
DM
CB3

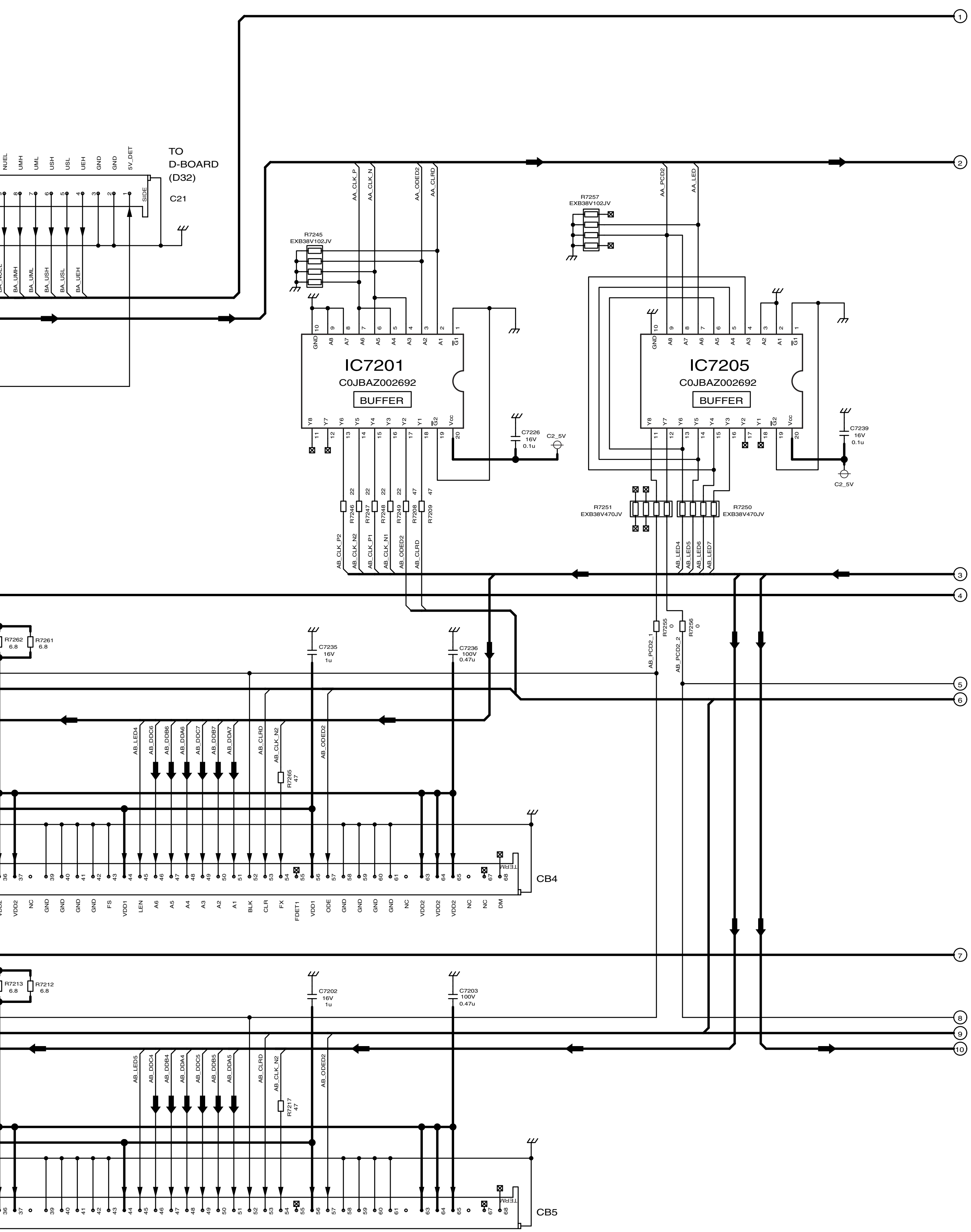
TH-42PA60E, TH-42PD60B
C1-Board (2 of 2) Schematic Diagram

12 13 14 15

14.55. C2-Board (1 of 2) Schematic Diagram (37inch)

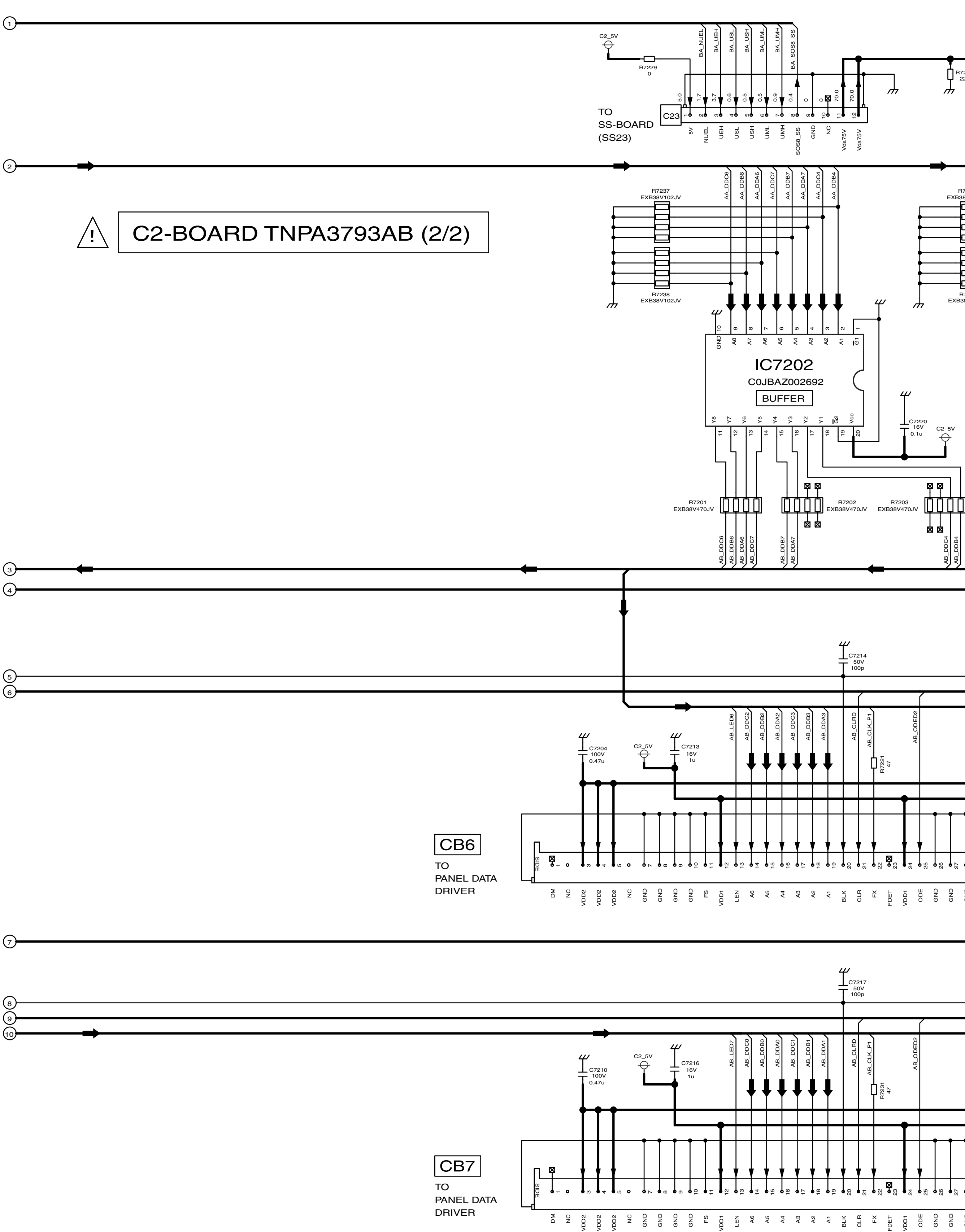

A
B
C
D
E
1
2
3
4
C2-BOARD TNPA3793AB (1/2)
P5V
P5V
P5V
N.C.(DRV_RST)
DOUTDC[6]
DOUTDB[6]
DOUTDA[6]
GND
DOUTDC[7]
DOUTDB[7]
DOUTDA[7]
GND
DOUTDC[4]
DOUTDB[4]
DOUTDA[4]
GND
DOUTDC[5]
DOUTDB[5]
DOUTDA[5]
GND
DOUTDC[2]
DOUTDB[2]
DOUTDA[2]
GND
DOUTDC[3]
DOUTDB[3]
DOUTDA[3]
GND
DOUTDC[0]
DOUTDB[0]
DOUTDA[0]
GND
DOUTDC[1]
DOUTDB[1]
DOUTDA[1]
GND
ODED2
CLRD
PCD2
LED
GND
CLK[1](-)
GND
CLK[0](+)
GND
DRV_SOS8
NUEL
UMH
UML
USH
USL
UEH
GND
TERM
AA_DDC6
AA_DDB6
AA_DDA6
AA_DDC7
AA_DDB7
AA_DDA7
AA_DDC4
AA_DDB4
AA_DDA4
AA_DDC5
AA_DDB5
AA_DDA5
AA_DDC2
AA_DDB2
AA_DDA2
AA_DDC3
AA_DDB3
AA_DDA3
AA_DDC0
AA_DDB0
AA_DDA0
AA_DDC1
AA_DDB1
AA_DDA1
AA_ODED2
AA_CLRD
AA_PCD2
AA_LED
AA_CLK_N
AA_CLK_P
BA_SOS8_SS
BA_NUEL
BA_UMH
BA_UML
BA_USH
BA_USL
BA_UEH
C2_5V
FL7201
J0HABH000013
R7269
22k
R7270
100k
TO
C1-BOARD
(C12)
C22
SIDE
GND
NC
Vda 75V
TERM
R7264
6.8
R7263
6.8
R7262
6.8
R7261
6.8
C7232
50V
100p
C7234
100V
0.47u
C7231
16V
1u
AB_LED4
AB_DDC6
AB_DDB6
AB_DDA6
AB_DDC7
AB_DDB7
AB_DDA7
AB_CLRD
AB_CLK_P2
AB_ODED2
R7259
47
CB4
TO
PANEL DATA
DRIVER
DM
NC
VDD2
GND
FS
VDD1
LEN
A6
A5
A4
A3
A2
A1
BLK
CLR
FX
FDET
ODE
R7215
6.8
R7214
6.8
R7213
6.8
R7212
6.8
C7208
50V
100p
C7201
100V
0.47u
C7207
16V
1u
AB_LED5
AB_DDC4
AB_DDB4
AB_DDA4
AB_DDC5
AB_DDB5
AB_DDA5
R7210
47
CB5
TO
PANEL DATA
DRIVER

TH-37PA60E, TH-37PD60B
C2-Board (1 of 2) Schematic Diagram


TO
D-BOARD
(D32)
C21
NUEL
UMH
UML
USH
USL
UEH
GND
GND
5V_DET
SIDE
BA_UMH
BA_UML
BA_USH
BA_USL
BA_UEH
R7245
EXB38V102JV
AA_CLK_P
AA_CLK_N
AA_ODED2
AA_CLRD
IC7201
C0JBAZ002692
BUFFER
C7226
16V
0.1u
C2_5V
R7246
R7247
R7248
R7249
R7208
R7209
22
47
AB_CLK_P2
AB_CLK_N2
AB_CLK_P1
AB_CLK_N1
AB_ODED2
AB_CLRD
R7257
EXB38V102JV
AA_PCD2
AA_LED
IC7205
C0JBAZ002692
BUFFER
C7239
16V
0.1u
C2_5V
R7251
EXB38V470JV
R7250
EXB38V470JV
AB_LED4
AB_LED5
AB_LED6
AB_LED7
R7255
0
R7256
0
AB_PCD2_1
AB_PCD2_2
GND
A8
A7
A6
A5
A4
A3
A2
A1
G1
Y8
Y7
Y6
Y5
Y4
Y3
Y2
Y1
G2
Vcc
R7262
6.8
R7261
6.8
C7235
16V
1u
C7236
100V
0.47u
AB_LED4
AB_DDC6
AB_DDB6
AB_DDA6
AB_DDC7
AB_DDB7
AB_DDA7
AB_CLRD
AB_CLK_N2
R7265
47
AB_ODED2
TERM
CB4
VDD2
NC
GND
FS
VDD1
LEN
BLK
CLR
FX
FDET1
ODE
DM
R7213
6.8
R7212
6.8
C7202
16V
1u
C7203
100V
0.47u
AB_LED5
AB_DDC4
AB_DDB4
AB_DDA4
AB_DDC5
AB_DDB5
AB_DDA5
AB_CLRD
AB_CLK_N2
R7217
47
AB_ODED2
CB5
①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
4
5
6
7
8

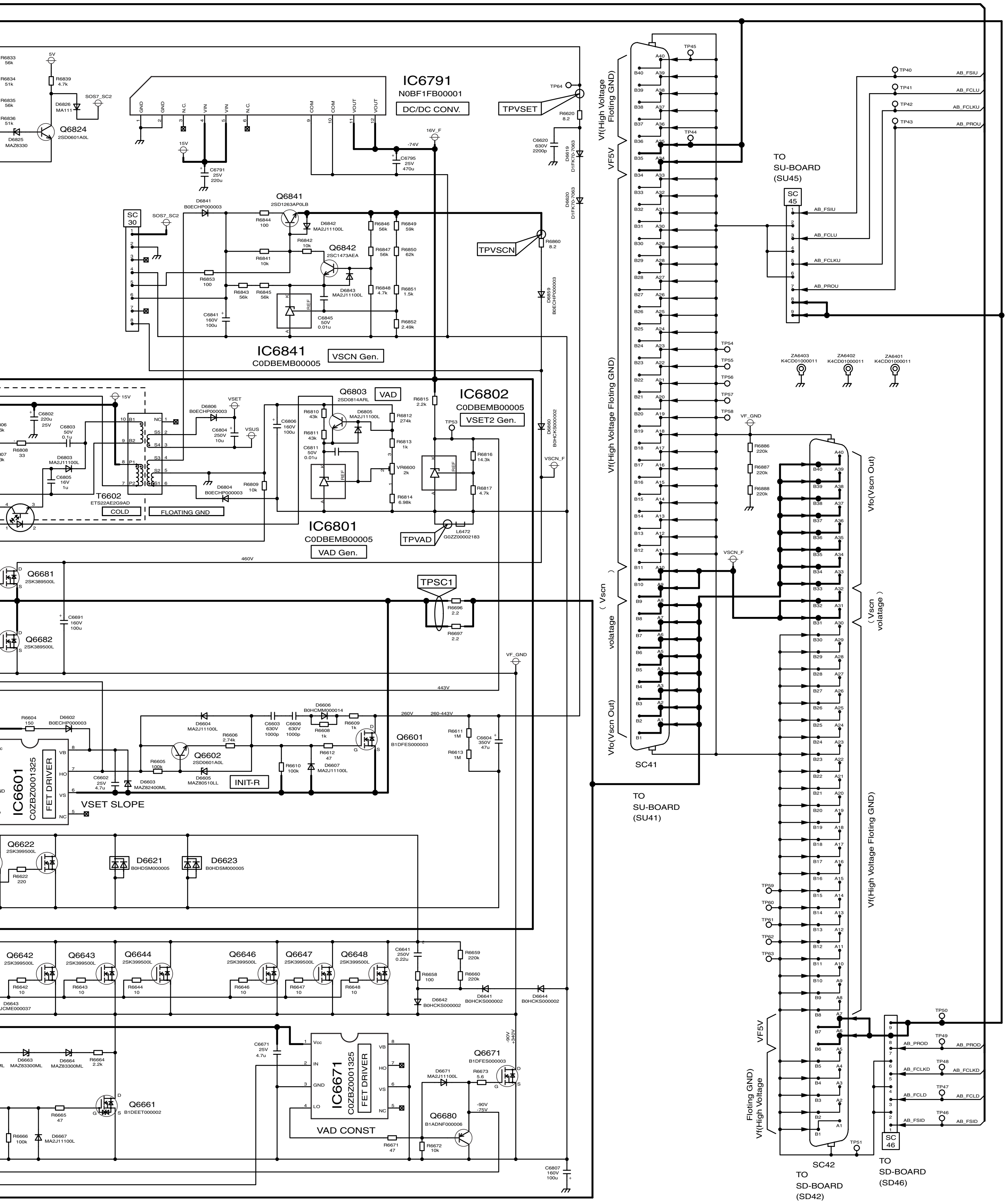
TH-37PA60E, TH-37PD60B
C2-Board (1 of 2) Schematic Diagram

14.56. C2-Board (2 of 2) Schematic Diagram (37inch)


C2-BOARD TNPA3793AB (2/2)
TO SS-BOARD (SS23)
C23
C2_5V
R7229 0
BA_NUEL
BA_UEH
BA_USL
BA_USH
BA_UML
BA_UMH
BA_SOS8_SS
5V
NUEL
UEH
USL
USH
UML
UMH
SOS8_SS
GND
NC
Vda75V
Vda75V
R7237 EXB38V102JV
R7238 EXB38V102JV
AA_DDC6
AA_DDB6
AA_DDA6
AA_DDC7
AA_DDB7
AA_DDA7
AA_DDC4
AA_DDB4
IC7202
C0JBAZ002692
BUFFER
C7220 16V 0.1u
R7201 EXB38V470JV
R7202 EXB38V470JV
R7203 EXB38V470JV
AB_DDC6
AB_DDB6
AB_DDA6
AB_DDC7
AB_DDB7
AB_DDA7
AB_DDC4
AB_DDB4
C7214 50V 100p
AB_LED6
AB_DDC2
AB_DDB2
AB_DDA2
AB_DDC3
AB_DDB3
AB_DDA3
AB_CLRD
AB_CLK_P1
AB_ODED2
C7204 100V 0.47u
C7213 16V 1u
R7221 47
CB6
TO PANEL DATA DRIVER
DM
NC
VDD2
GND
FS
VDD1
LEN
A6
A5
A4
A3
A2
A1
BLK
CLR
FX
FDET
ODE
C7217 50V 100p
AB_LED7
AB_DDC0
AB_DDB0
AB_DDA0
AB_DDC1
AB_DDB1
AB_DDA1
C7210 100V 0.47u
C7216 16V 1u
R7231 47
CB7
1
2
3
4
5
6
7
8
9
10

TH-37PA60E, TH-37PD60B
C2-Board (2 of 2) Schematic Diagram

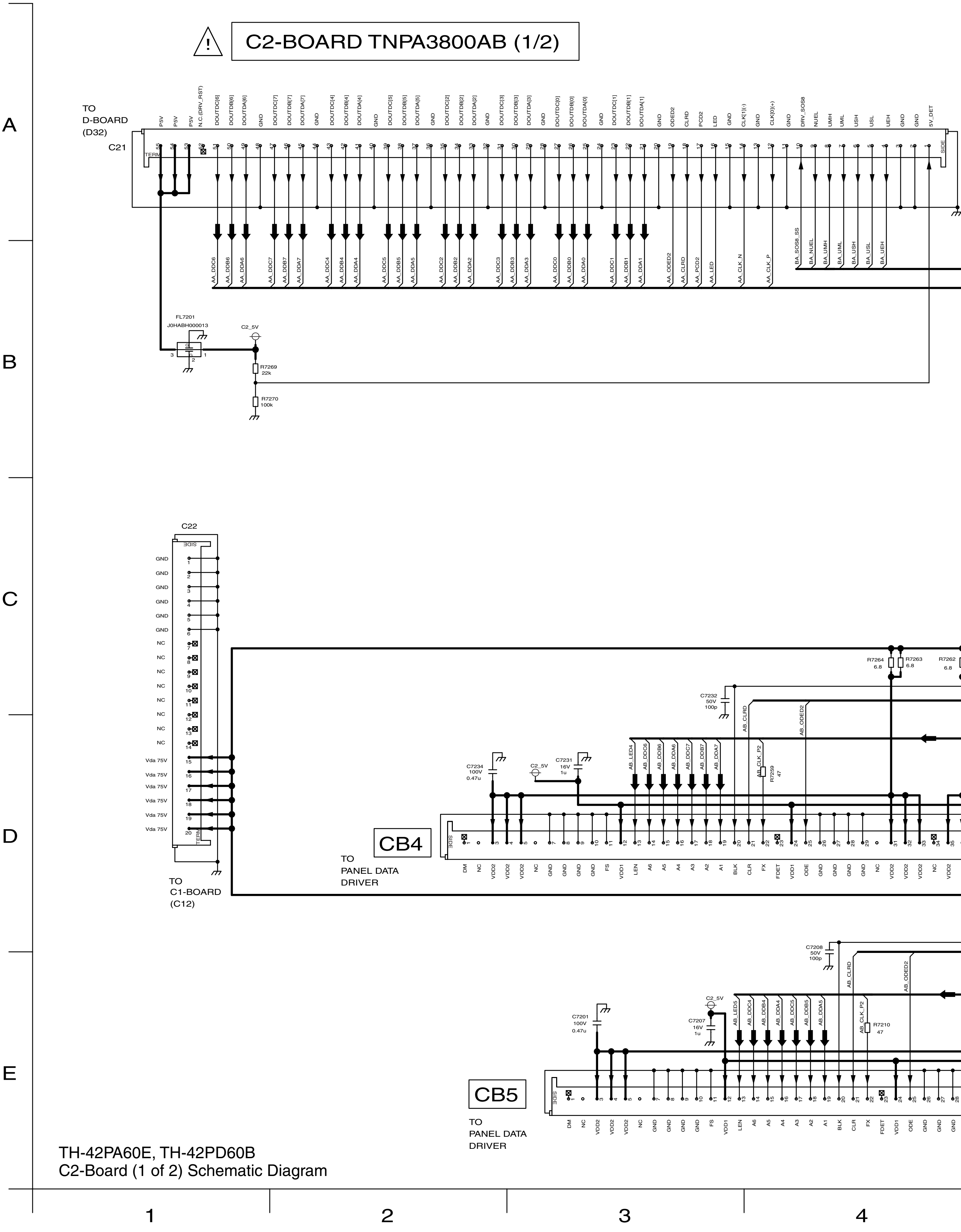
8 9 10 11 12


IC6791
N0BF1FB00001
DC/DC CONV.
GND
GND
N.C.
VIN
VIN
N.C.
COM
COM
VOUT
VOUT
TPVSET
TP64
R6620
8.2
C6620
630V
2200p
D6619
D1FK70-7063
D6620
D1FK70-7063
16V_F
-74V
C6795
25V
470u
15V
C6791
25V
220u
5V
R6833
56k
R6834
51k
R6835
56k
R6836
51k
R6839
4.7k
D6826
MA111
SOS7_SC2
Q6824
2SD0601A0L
D6825
MAZ8330
SC
30
SOS7_SC2
D6841
B0ECHP000003
Q6841
2SD1263AP0LB
R6844
100
D6842
MA2J11100L
R6842
10k
Q6842
2SC1473AEA
R6841
10k
R6853
100
R6843
56k
R6845
56k
D6843
MA2J11100L
C6841
160V
100u
C6845
50V
0.01u
R6846
56k
R6847
56k
R6848
4.7k
R6849
59k
R6850
62k
R6851
1.5k
R6852
2.49k
TPVSCN
R6860
8.2
D6859
B0ECHP000003
IC6841
C0DBEMB00005
VSCN Gen.
15V
C6802
220u
25V
C6803
50V
0.1u
R6808
33
D6803
MA2J11100L
C6805
16V
1u
T6602
ETS22AE2G9AD
COLD
FLOATING GND
D6806
B0ECHP000003
VSET
C6804
250V
10u
VSUS
D6804
B0ECHP000003
R6809
10k
C6806
160V
100u
Q6803
2SD0814ARL
VAD
R6810
43k
R6811
43k
C6811
50V
0.01u
D6805
MA2J11100L
R6812
274k
R6813
1k
VR6600
2k
R6814
6.98k
R6815
2.2k
IC6802
C0DBEMB00005
VSET2 Gen.
TP53
R6816
14.3k
R6817
4.7k
D6860
B0HCKS000002
VSCN_F
IC6801
C0DBEMB00005
VAD Gen.
TPVAD
L6472
G0ZZ00002183
460V
Q6681
2SK389500L
Q6682
2SK389500L
C6691
160V
100u
TPSC1
R6696
2.2
R6697
2.2
VF_GND
443V
R6604
150
D6602
B0ECHP000003
D6604
MA2J11100L
R6606
2.74k
C6603
630V
1000p
C6606
630V
1000p
D6606
B0HCMM000014
R6608
1k
R6609
1k
260V
260-443V
Q6601
B1DFES000003
R6611
1M
R6613
1M
C6604
350V
47u
R6612
47
D6607
MA2J11100L
R6610
100k
Q6602
2SD0601A0L
R6605
100k
C6602
25V
4.7u
D6603
MAZ82400ML
D6605
MAZ80510LL
INIT-R
IC6601
C0ZBZ0001325
FET DRIVER
VB
HO
VS
NC
VSET SLOPE
Q6622
2SK399500L
R6622
220
D6621
B0HDSM000005
D6623
B0HDSM000005
Q6642
2SK399500L
R6642
10
Q6643
2SK399500L
R6643
10
Q6644
2SK399500L
R6644
10
Q6646
2SK399500L
R6646
10
Q6647
2SK399500L
R6647
10
Q6648
2SK399500L
R6648
10
D6643
JCME000037
C6641
250V
0.22u
R6658
100
R6659
220k
R6660
220k
D6642
B0HCKS000002
D6641
B0HCKS000002
D6644
B0HCKS000002
D6663
MAZ83300ML
D6664
MAZ83300ML
R6664
2.2k
C6671
25V
4.7u
IC6671
C0ZBZ0001325
FET DRIVER
Vcc
IN
GND
LO
VB
HO
VS
NC
VAD CONST
R6671
47
Q6661
B1DEET000002
R6665
47
R6666
100k
D6667
MA2J11100L
Q6671
B1DFES000003
D6671
MA2J11100L
R6673
5.6
-90V
+340V
Q6680
B1ADNF000006
-90V
-75V
R6672
10k
C6807
160V
100u
SC41
TO
SU-BOARD
(SU41)
Vf(High Voltage
Floting GND)
VF5V
Vf(High Voltage Floting GND)
(Vscn
volatage)
Vfo(Vscn Out)
TP45
TP44
TP54
TP55
TP56
TP57
TP58
VF_GND
R6886
220k
R6887
220k
R6888
220k
VSCN_F
TP40
TP41
TP42
TP43
AB_FSIU
AB_FCLU
AB_FCLKU
AB_PROU
TO
SU-BOARD
(SU45)
SC
45
ZA6403
K4CD01000011
ZA6402
K4CD01000011
ZA6401
K4CD01000011
Vfo(Vscn Out)
(Vscn
volatage)
Vf(High Voltage Floting GND)
TP59
TP60
TP61
TP62
TP63
VF5V
Floting GND)
Vf(High Voltage
SC42
TO
SD-BOARD
(SD42)
TP51
TP50
TP49
TP48
TP47
TP46
AB_PROD
AB_FCLKD
AB_FCLD
AB_FSID
SC
46
TO
SD-BOARD
(SD46)

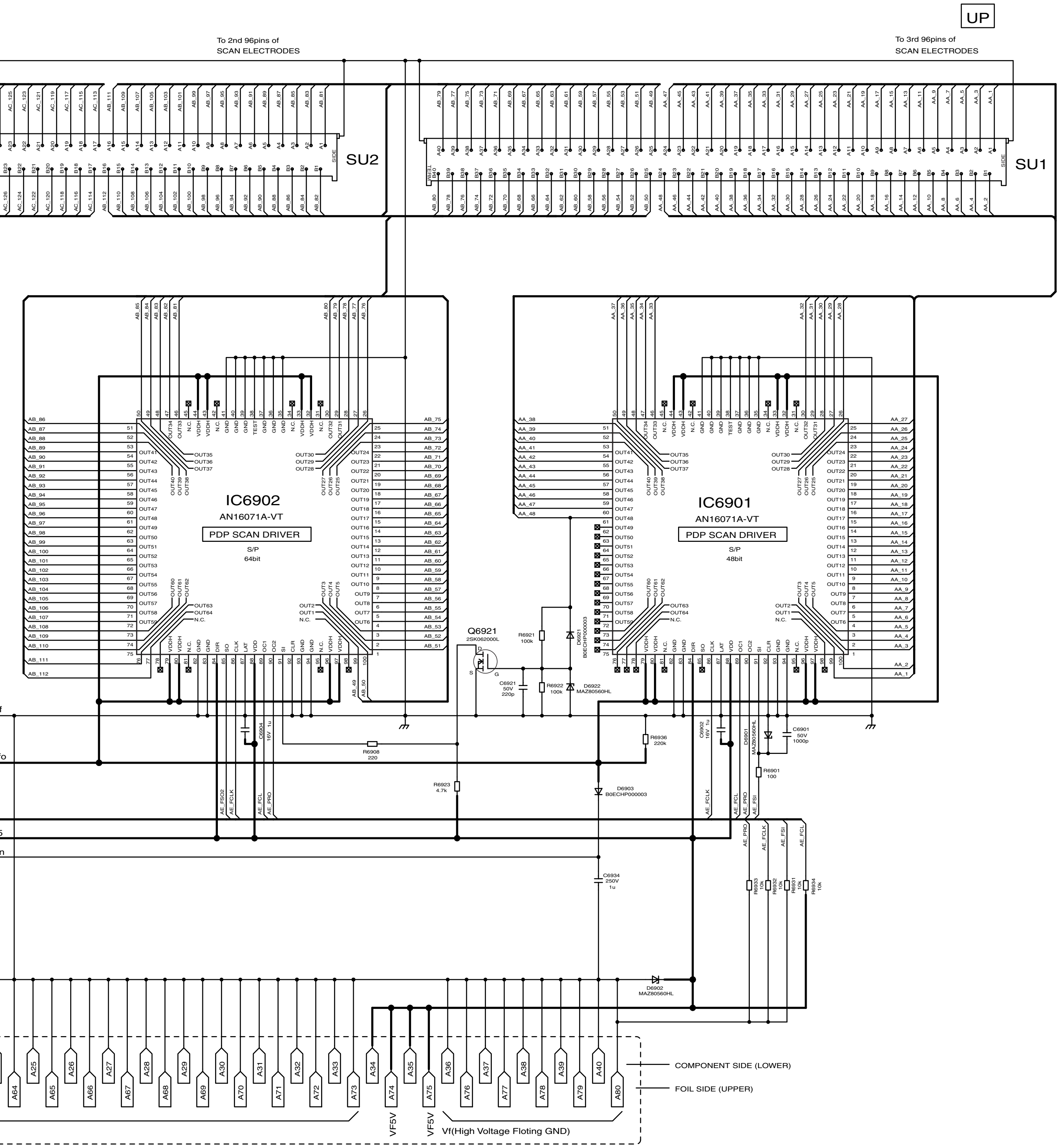
TH-37/42PA60E,TH-37/42PD60B
SC-Board (2 of 2) Schematic Diagram

14 15 16 17 18

14.57. C2-Board (1 of 2) Schematic Diagram (42inch)


C2-BOARD TNPA3800AB (1/2)
A
B
C
D
E
1
2
3
4
TO D-BOARD (D32)
C21
TERM
SIDE
P5V
N.C.(DRV_RST)
DOUTDC[6]
DOUTDB[6]
DOUTDA[6]
GND
DOUTDC[7]
DOUTDB[7]
DOUTDA[7]
DOUTDC[4]
DOUTDB[4]
DOUTDA[4]
DOUTDC[5]
DOUTDB[5]
DOUTDA[5]
DOUTDC[2]
DOUTDB[2]
DOUTDA[2]
DOUTDC[3]
DOUTDB[3]
DOUTDA[3]
DOUTDC[0]
DOUTDB[0]
DOUTDA[0]
DOUTDC[1]
DOUTDB[1]
DOUTDA[1]
ODED2
CLRD
PCD2
LED
CLK[1](-)
CLK[0](+)
DRV_SOS8
NUEL
UMH
UML
USH
USL
UEH
5V_DET
AA_DDC6
AA_DDB6
AA_DDA6
AA_DDC7
AA_DDB7
AA_DDA7
AA_DDC4
AA_DDB4
AA_DDA4
AA_DDC5
AA_DDB5
AA_DDA5
AA_DDC2
AA_DDB2
AA_DDA2
AA_DDC3
AA_DDB3
AA_DDA3
AA_DDC0
AA_DDB0
AA_DDA0
AA_DDC1
AA_DDB1
AA_DDA1
AA_ODED2
AA_CLRD
AA_PCD2
AA_LED
AA_CLK_N
AA_CLK_P
BA_SOS8_SS
BA_NUEL
BA_UMH
BA_UML
BA_USH
BA_USL
BA_UEH
FL7201
J0HABH000013
C2_5V
R7269
22k
R7270
100k
C22
GND
NC
Vda 75V
TO C1-BOARD (C12)
R7264
6.8
R7263
6.8
R7262
6.8
C7232
50V
100p
AB_CLRD
AB_ODED2
C7234
100V
0.47u
C7231
16V
1u
AB_LED4
AB_DDC6
AB_DDB6
AB_DDA6
AB_DDC7
AB_DDB7
AB_DDA7
AB_CLK_P2
R7259
47
CB4
TO PANEL DATA DRIVER
DM
VDD2
FS
VDD1
LEN
A6
A5
A4
A3
A2
A1
BLK
CLR
FX
FDET
ODE
C7208
50V
100p
C7201
100V
0.47u
C7207
16V
1u
AB_LED5
AB_DDC4
AB_DDB4
AB_DDA4
AB_DDC5
AB_DDB5
AB_DDA5
R7210
47
CB5

TH-42PA60E, TH-42PD60B
C2-Board (1 of 2) Schematic Diagram



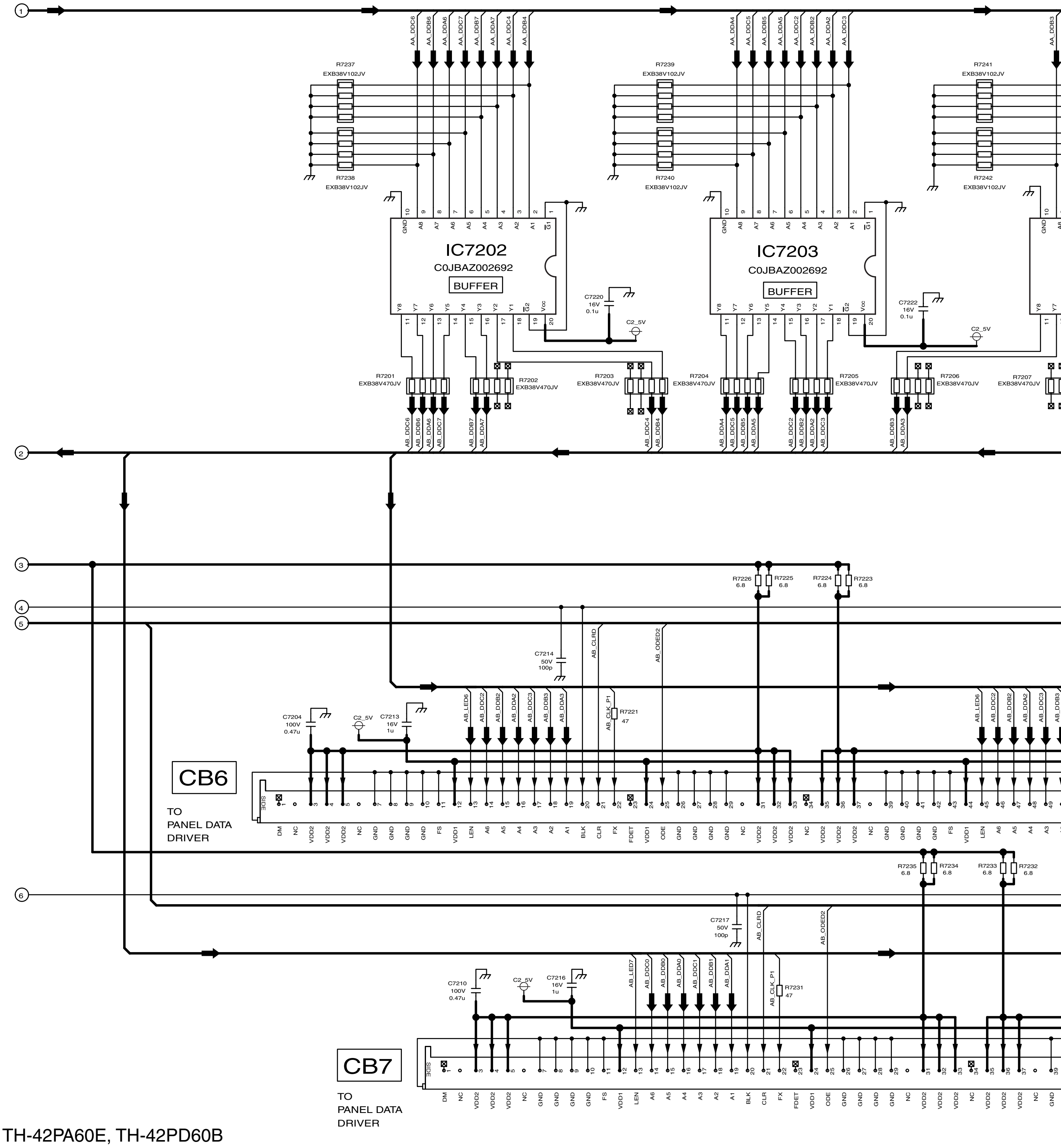
UP
To 2nd 96pins of SCAN ELECTRODES
To 3rd 96pins of SCAN ELECTRODES
SU2
SU1
IC6902
AN16071A-VT
PDP SCAN DRIVER
S/P
64bit
IC6901
AN16071A-VT
PDP SCAN DRIVER
S/P
48bit
Q6921
2SK062000L
R6921 100k
C6921 50V 220p
R6922 100k
D6922 MAZ80560HL
D6921 B0ECHP000003
C6904 16V 1u
R6908 220
R6923 4.7k
R6936 220k
D6903 B0ECHP000003
C6902 16V 1u
D6901 MAZ80560HL
C6901 50V 1000p
R6901 100
C6934 250V 1u
R6933 10k
R6932 10k
R6931 10k
R6934 10k
D6902 MAZ80560HL
AE_FSO2
AE_FCLK
AE_FCL
AE_PRO
AE_FSI
COMPONENT SIDE (LOWER)
FOIL SIDE (UPPER)
VF5V
VF5V
Vf(High Voltage Floting GND)

TH-37PA60E, TH-37PD60B
SU-Board Schematic Diagram

5 6 7 8 9

14.58. C2-Board (2 of 2) Schematic Diagram (42inch)

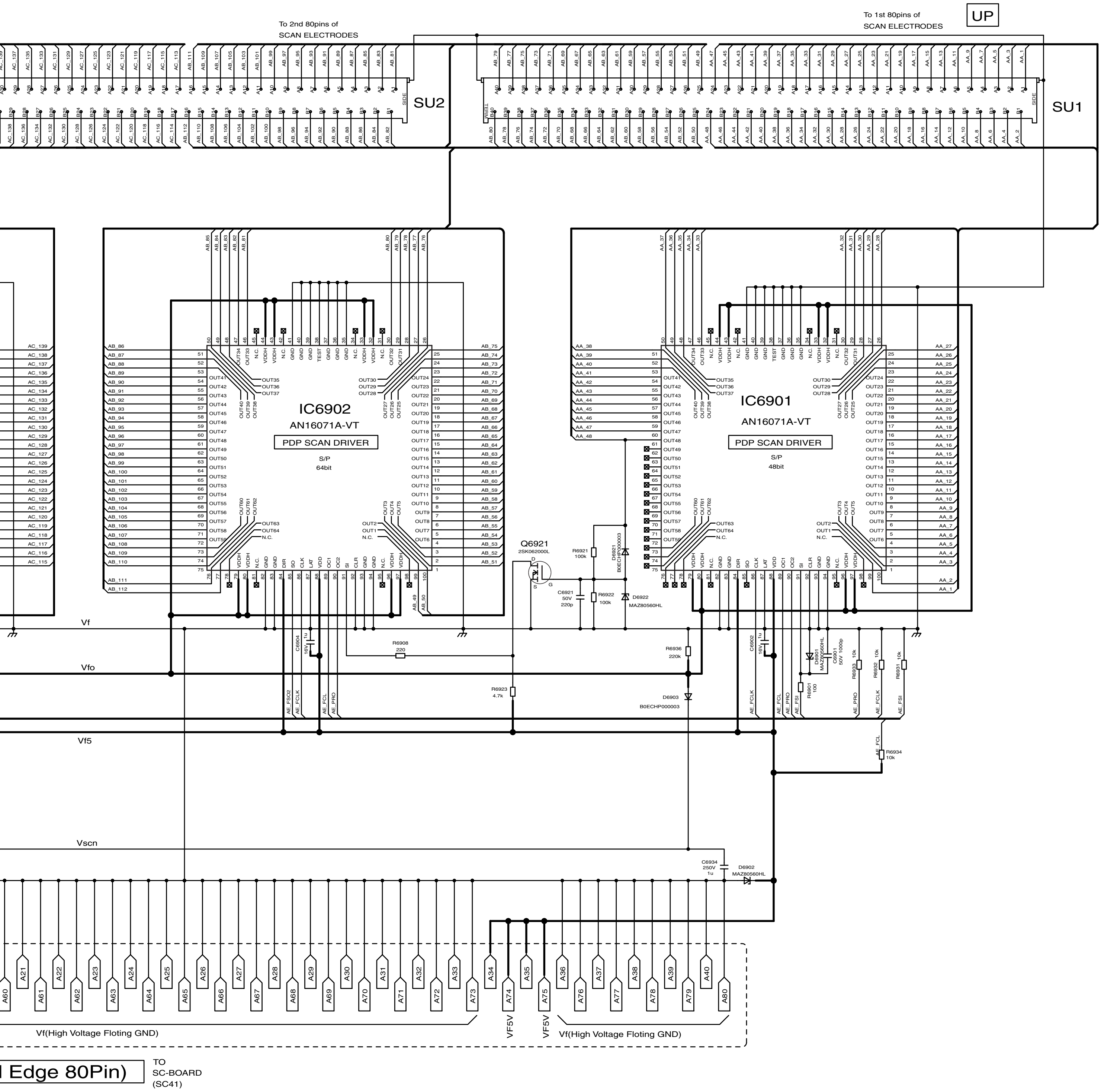
⚠ C2-BOARD TNPA3800AB (2/2)



IC7202
C0JBAZ002692
BUFFER
IC7203
C0JBAZ002692
BUFFER
R7237 EXB38V102JV
R7238 EXB38V102JV
R7239 EXB38V102JV
R7240 EXB38V102JV
R7241 EXB38V102JV
R7242 EXB38V102JV
R7201 EXB38V470JV
R7202 EXB38V470JV
R7203 EXB38V470JV
R7204 EXB38V470JV
R7205 EXB38V470JV
R7206 EXB38V470JV
R7207 EXB38V470JV
C7220 16V 0.1u
C7222 16V 0.1u
C2_5V
R7226 6.8
R7225 6.8
R7224 6.8
R7223 6.8
C7214 50V 100p
AB_CLRD
AB_ODED2
AB_CLK_P1
R7221 47
C7204 100V 0.47u
C7213 16V 1u
CB6
TO PANEL DATA DRIVER
R7235 6.8
R7234 6.8
R7233 6.8
R7232 6.8
C7217 50V 100p
R7231 47
C7210 100V 0.47u
C7216 16V 1u
CB7
TO PANEL DATA DRIVER
1
2
3
4
5
6

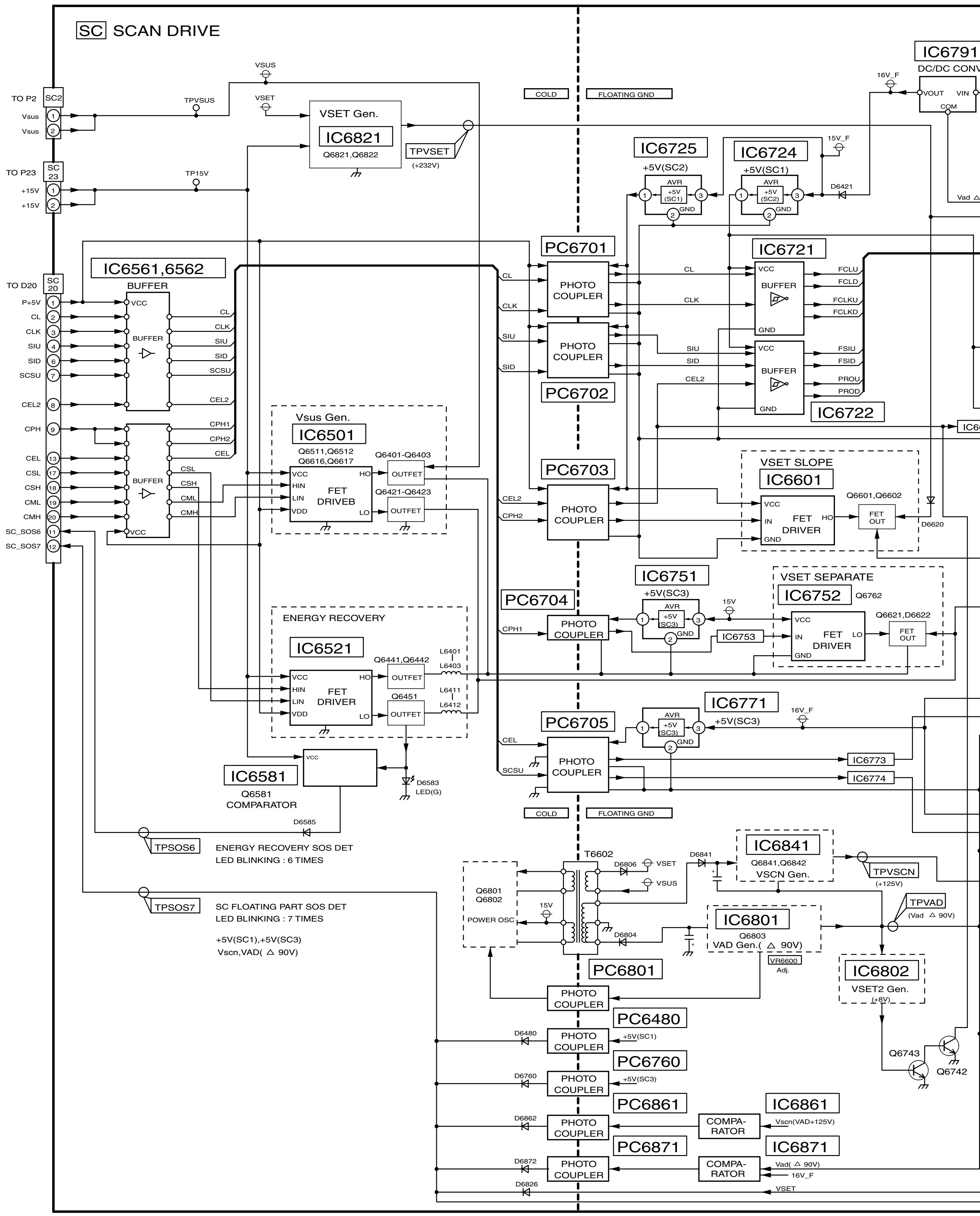
TH-42PA60E, TH-42PD60B
C2-Board (2 of 2) Schematic Diagram

8 9 10 11 12

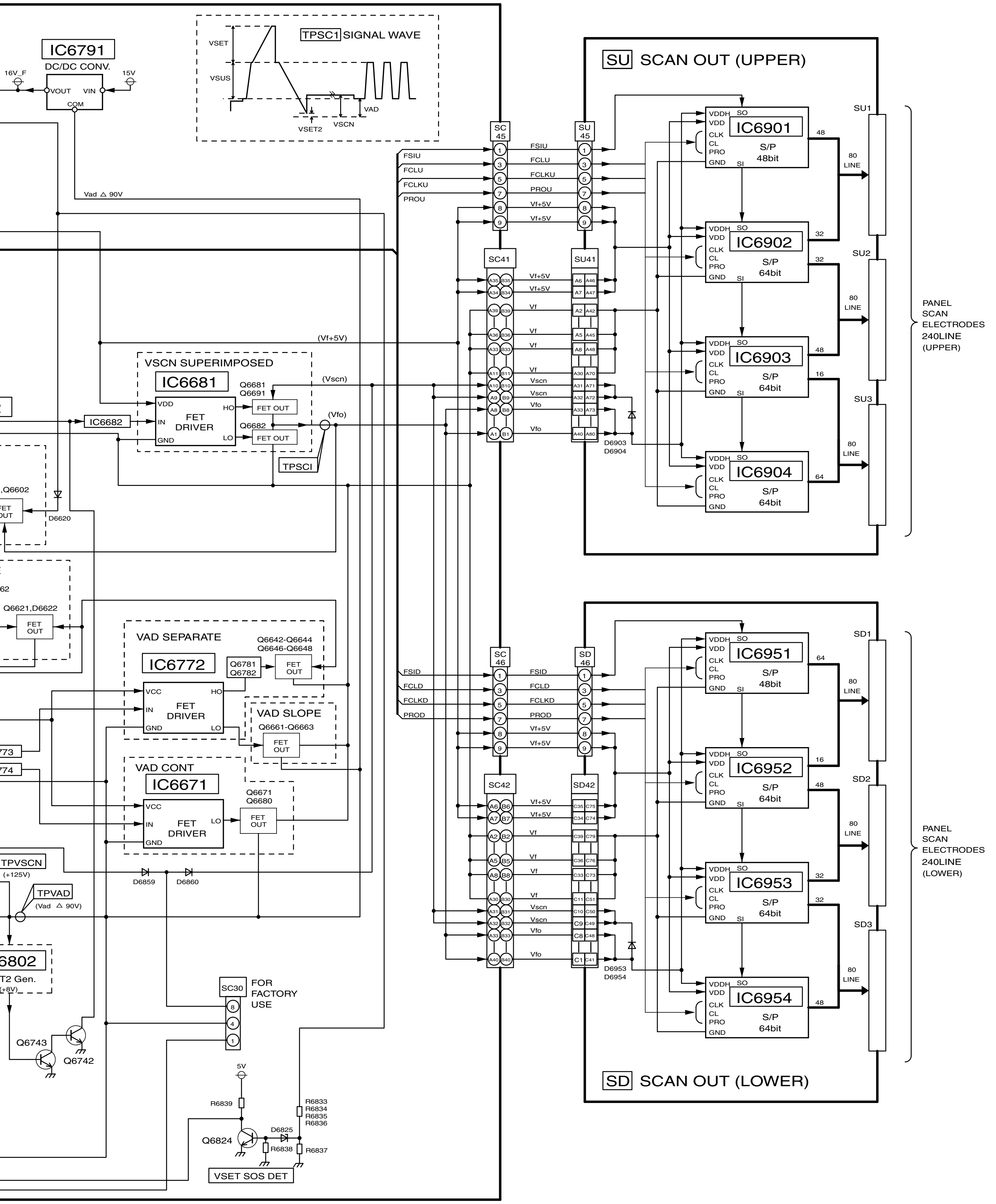

UP
To 2nd 80pins of
SCAN ELECTRODES
To 1st 80pins of
SCAN ELECTRODES
SU2
SU1
IC6902
AN16071A-VT
PDP SCAN DRIVER
S/P
64bit
IC6901
AN16071A-VT
PDP SCAN DRIVER
S/P
48bit
Q6921
2SK062000L
C6921 50V 220p
R6921 100k
R6922 100k
D6921 B0ECHP000003
D6922 MAZ80560HL
R6908 220
R6923 4.7k
R6936 220k
D6903 B0ECHP000003
C6904 1u
C6902 16V 1u
D6901 MAZ80560HL
C6901 50V 1000p
R6901 100
R6933 10k
R6932 10k
R6931 10k
R6934 10k
C6934 250V 1u
D6902 MAZ80560HL
Vf
Vfo
Vf5
Vscn
AE_FSO2
AE_FCLK
AE_FCL
AE_PRO
AE_FSI
A21
A22
A23
A24
A25
A26
A27
A28
A29
A30
A31
A32
A33
A34
A35
A36
A37
A38
A39
A40
A60
A61
A62
A63
A64
A65
A66
A67
A68
A69
A70
A71
A72
A73
A74
A75
A76
A77
A78
A79
A80
Vf(High Voltage Floting GND)
VF5V
VF5V
Vf(High Voltage Floting GND)
l Edge 80Pin)
TO
SC-BOARD
(SC41)

TH-42PA60E, TH-42PD60B
SU-Board Schematic Diagram

14.59. SC, SU and SD-Board Block Diagram


SC SCAN DRIVE
TO P2
SC2
Vsus
Vsus
TPVSUS
VSUS
VSET
VSET Gen.
IC6821
Q6821,Q6822
TPVSET
(+232V)
TO P23
SC 23
+15V
+15V
TP15V
COLD
FLOATING GND
IC6791
DC/DC CONV
16V_F
VOUT
VIN
COM
15V_F
IC6725
+5V(SC2)
IC6724
+5V(SC1)
AVR
GND
D6421
Vad
PC6701
IC6721
IC6561,6562
BUFFER
TO D20
SC 20
P+5V
CL
CLK
SIU
SID
SCSU
CEL2
CPH
CEL
CSL
CSH
CML
CMH
SC_SOS6
SC_SOS7
VCC
PHOTO COUPLER
FCLU
FCLD
FCLKU
FCLKD
FSIU
FSID
PROU
PROD
PC6702
IC6722
CPH1
CPH2
Vsus Gen.
IC6501
Q6511,Q6512
Q6616,Q6617
Q6401-Q6403
Q6421-Q6423
OUTFET
FET DRIVEB
HO
LO
HIN
LIN
VDD
PC6703
VSET SLOPE
IC6601
Q6601,Q6602
FET DRIVER
FET OUT
D6620
IC6751
+5V(SC3)
VSET SEPARATE
IC6752
Q6762
Q6621,D6622
PC6704
ENERGY RECOVERY
IC6521
Q6441,Q6442
Q6451
L6401
L6403
L6411
L6412
IC6753
15V
IC6771
16V_F
PC6705
IC6773
IC6774
IC6581
Q6581
COMPARATOR
D6583
LED(G)
D6585
TPSOS6
ENERGY RECOVERY SOS DET
LED BLINKING : 6 TIMES
TPSOS7
SC FLOATING PART SOS DET
LED BLINKING : 7 TIMES
+5V(SC1),+5V(SC3)
Vscn,VAD(△ 90V)
T6602
D6806
D6841
IC6841
Q6841,Q6842
VSCN Gen.
TPVSCN
(+125V)
Q6801
Q6802
POWER OSC
D6804
IC6801
Q6803
VAD Gen.(△ 90V)
VR6600
Adj.
TPVAD
(Vad △ 90V)
PC6801
IC6802
VSET2 Gen.
(+8V)
PC6480
D6480
PC6760
D6760
Q6743
Q6742
PC6861
IC6861
D6862
COMPA-RATOR
Vscn(VAD+125V)
PC6871
IC6871
D6872
Vad(△ 90V)
D6826

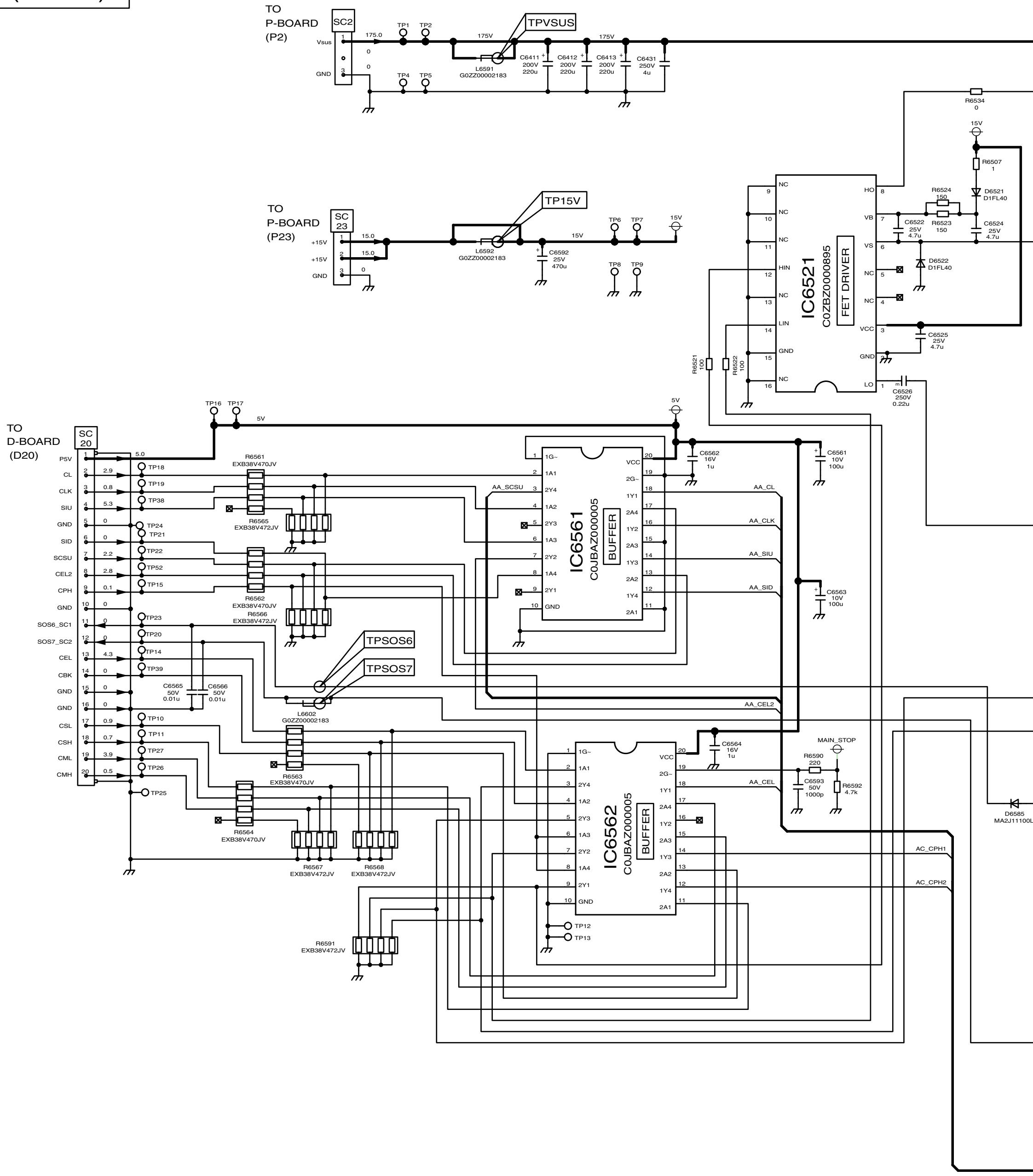
TH-37/42PA60E, TH-37/42PD60B
SC, SU and SD-Board Block Diagram

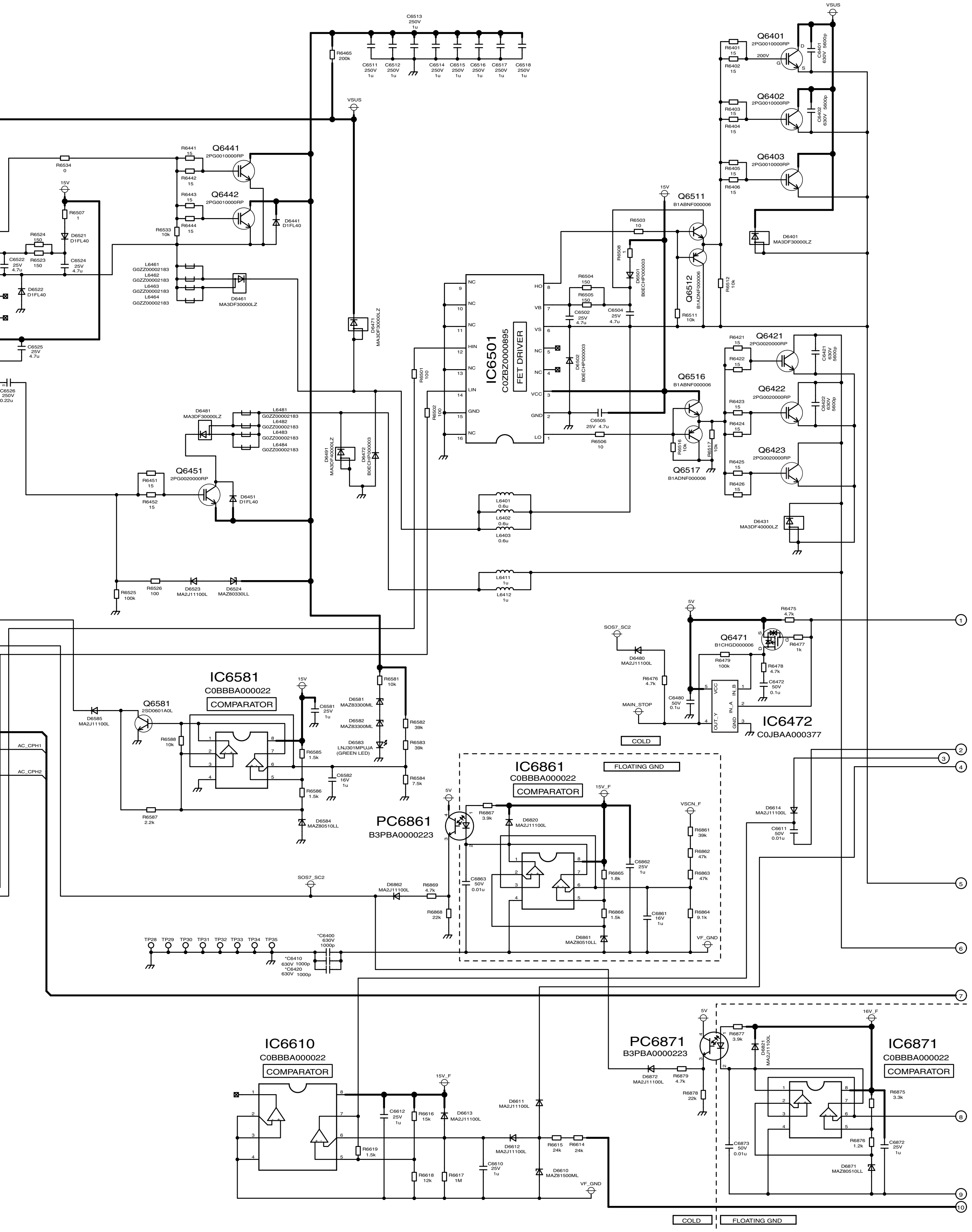

IC6791
DC/DC CONV.
16V_F
15V
VOUT
VIN
COM
Vad △ 90V
TPSC1 SIGNAL WAVE
VSET
VSUS
VSET2
VSCN
VAD
VSCN SUPERIMPOSED
IC6681
FET DRIVER
VDD
IN
GND
HO
LO
Q6681
Q6691
Q6682
FET OUT
(Vf+5V)
(Vscn)
(Vfo)
TPSCI
IC6682
,Q6602
D6620
62
Q6621,D6622
FET OUT
VAD SEPARATE
IC6772
Q6781
Q6782
Q6642-Q6644
Q6646-Q6648
VCC
HO
VAD SLOPE
Q6661-Q6663
VAD CONT
IC6671
Q6671
Q6680
73
74
TPVSCN
(+125V)
TPVAD
(Vad △ 90V)
D6859
D6860
6802
T2 Gen.
(+8V)
Q6743
Q6742
SC30
FOR FACTORY USE
5V
R6839
Q6824
D6825
R6838
R6833
R6834
R6835
R6836
R6837
VSET SOS DET
SC 45
SU 45
FSIU
FCLU
FCLKU
PROU
Vf+5V
SC41
SU41
Vf
Vscn
Vfo
D6903
D6904
SC 46
SD 46
FSID
FCLD
FCLKD
PROD
SC42
SD42
D6953
D6954
SU SCAN OUT (UPPER)
IC6901
IC6902
IC6903
IC6904
VDDH
VDD
CLK
CL
PRO
GND
SO
SI
S/P
48bit
64bit
SU1
SU2
SU3
80 LINE
PANEL SCAN ELECTRODES 240LINE (UPPER)
SD SCAN OUT (LOWER)
IC6951
IC6952
IC6953
IC6954
SD1
SD2
SD3
PANEL SCAN ELECTRODES 240LINE (LOWER)

TH-37/42PA60E, TH-37/42PD60B
SC, SU and SD-Board Block Diagram

14.60. SC-Board (1 of 2) Schematic Diagram

⚠ SC-BOARD (1/2)
TNPA3794AE(37inch)
TNPA3794AB(42inch)

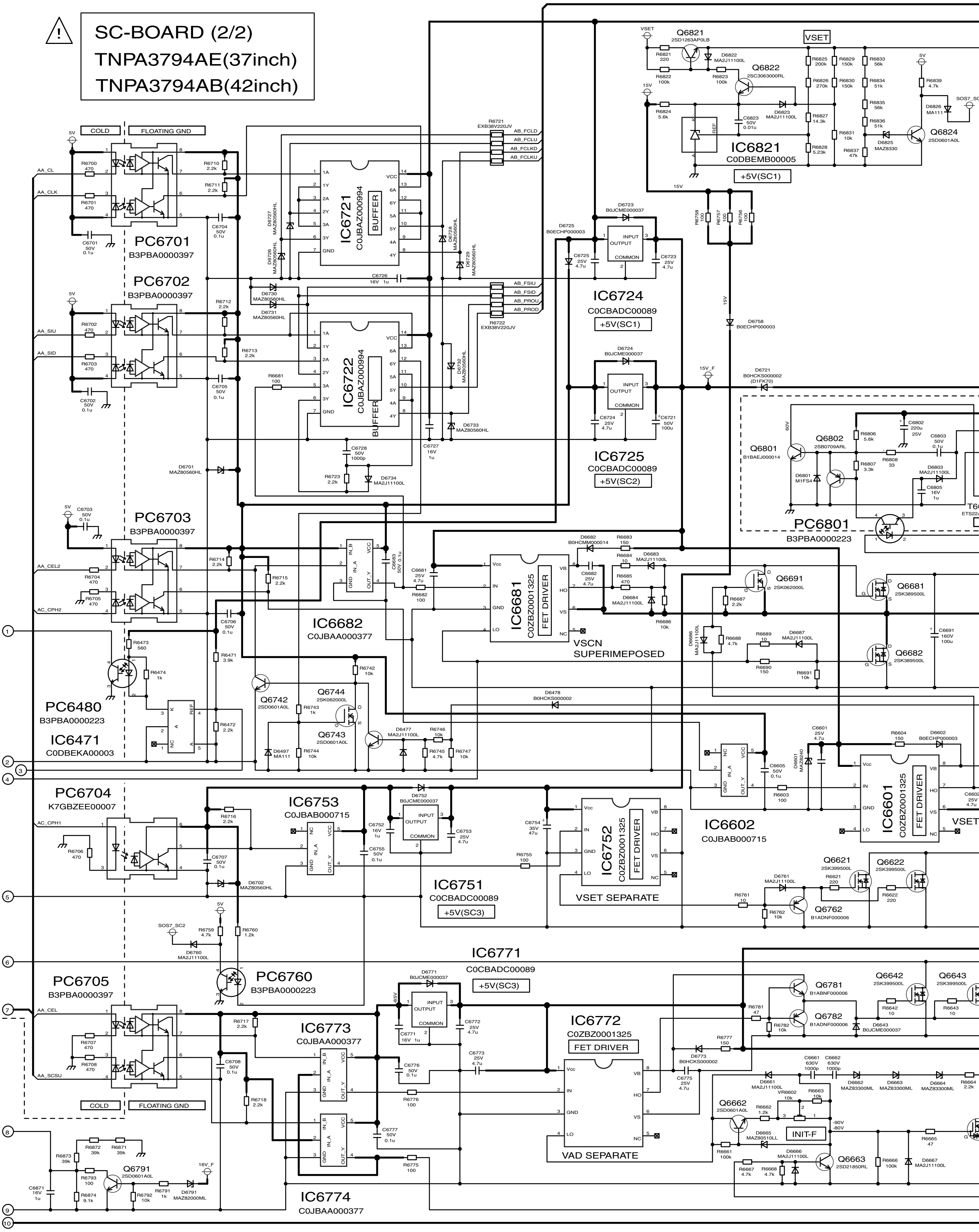

A
B
C
D
E
F
1
2
3
4
5
TO P-BOARD (P2)
SC2
Vsus
GND
TP1
TP2
TP4
TP5
TPVSUS
L6591 G0ZZ00002183
C6411 200V 220u
C6412 200V 220u
C6413 200V 220u
C6431 250V 4u
175V
R6534 0
TO P-BOARD (P23)
SC23
+15V
+15V
GND
TP15V
L6592 G0ZZ00002183
C6592 25V 470u
TP6
TP7
TP8
TP9
15V
IC6521
C0ZBZ0000895
FET DRIVER
HO
VB
VS
NC
VCC
GND
LO
HIN
LIN
R6507 1
R6524 150
R6523 150
D6521 D1FL40
D6522 D1FL40
C6522 25V 4.7u
C6524 25V 4.7u
C6525 25V 4.7u
C6526 250V 0.22u
R6521 100
R6522 100
TO D-BOARD (D20)
SC20
P5V
CL
CLK
SIU
GND
SID
SCSU
CEL2
CPH
GND
SOS6_SC1
SOS7_SC2
CEL
CBK
GND
GND
CSL
CSH
CML
CMH
TP16
TP17
5V
TP18
TP19
TP38
TP24
TP21
TP22
TP52
TP15
TP23
TP20
TP14
TP39
TP10
TP11
TP27
TP26
TP25
R6561 EXB38V470JV
R6565 EXB38V472JV
R6562 EXB38V470JV
R6566 EXB38V472JV
C6565 50V 0.01u
C6566 50V 0.01u
TPSOS6
TPSOS7
L6602 G0ZZ00002183
R6563 EXB38V470JV
R6564 EXB38V470JV
R6567 EXB38V472JV
R6568 EXB38V472JV
R6591 EXB38V472JV
IC6561
C0JBAZ000005
BUFFER
IC6562
C0JBAZ000005
BUFFER
1G~
1A1
2Y4
1A2
2Y3
1A3
2Y2
1A4
2Y1
GND
VCC
2G~
1Y1
2A4
1Y2
2A3
1Y3
2A2
1Y4
2A1
C6562 16V 1u
C6561 10V 100u
C6563 10V 100u
C6564 16V 1u
AA_SCSU
AA_CL
AA_CLK
AA_SIU
AA_SID
AA_CEL2
AA_CEL
MAIN_STOP
R6590 220
C6593 50V 1000p
R6592 4.7k
D6585 MA2J1110
AC_CPH1
AC_CPH2
TP12
TP13


VSUS
C6513 250V 1u
R6465 200k
C6511 250V 1u
C6512 250V 1u
C6514 250V 1u
C6515 250V 1u
C6516 250V 1u
C6517 250V 1u
C6518 250V 1u
Q6401 2PG0010000RP
R6401 15
R6402 15
200V
C6401 630V 5600p
Q6402 2PG0010000RP
R6403 15
R6404 15
C6402 630V 5600p
Q6403 2PG0010000RP
R6405 15
R6406 15
D6401 MA3DF30000LZ
Q6441 2PG0010000RP
R6441 15
R6442 15
R6534 0
Q6442 2PG0010000RP
R6443 15
R6444 15
R6533 10k
D6441 D1FL40
15V
R6507 1
D6521 D1FL40
R6524 150
R6523 150
C6522 25V 4.7u
C6524 25V 4.7u
D6522 D1FL40
C6525 25V 4.7u
C6526 250V 0.22u
L6461 G0ZZ00002183
L6462 G0ZZ00002183
L6463 G0ZZ00002183
L6464 G0ZZ00002183
D6461 MA3DF30000LZ
D6471 MA3DF30000LZ
Q6511 B1ABNF000006
R6503 10
R6508 1
D6501 B0ECHP000003
Q6512 B1ADNF000006
R6511 10k
R6512 10k
R6504 150
R6505 150
C6502 25V 4.7u
C6504 25V 4.7u
IC6501 C0ZBZ0000895
FET DRIVER
NC
HIN
LIN
GND
HO
VB
VS
VCC
LO
R6501 100
R6502 100
D6502 B0ECHP000003
C6505 25V 4.7u
R6506 10
Q6516 B1ABNF000006
Q6517 B1ADNF000006
R6516 10k
R6517 10k
Q6421 2PG0020000RP
R6421 15
R6422 15
C6421 630V 5600p
Q6422 2PG0020000RP
R6423 15
R6424 15
C6422 630V 5600p
Q6423 2PG0020000RP
R6425 15
R6426 15
D6431 MA3DF40000LZ
D6481 MA3DF30000LZ
L6481 G0ZZ00002183
L6482 G0ZZ00002183
L6483 G0ZZ00002183
L6484 G0ZZ00002183
D6491 MA3DF40000LZ
D6472 B0ECHP000003
Q6451 2PG0020000RP
R6451 15
R6452 15
D6451 D1FL40
L6401 0.6u
L6402 0.6u
L6403 0.6u
L6411 1u
L6412 1u
R6525 100k
R6526 100
D6523 MA2J11100L
D6524 MAZ80330LL
5V
R6475 4.7k
Q6471 B1CHGD000006
R6477 1k
R6479 100k
R6478 4.7k
C6472 50V 0.1u
SOS7_SC2
D6480 MA2J11100L
R6476 4.7k
C6480 50V 0.1u
MAIN_STOP
IC6472 C0JBAA000377
VCC
IN_B
OUT_Y
IN_A
GND
COLD
IC6581 C0BBBA000022
COMPARATOR
Q6581 2SD0601A0L
D6585 MA2J11100L
R6588 10k
R6587 2.2k
C6581 25V 1u
R6585 1.5k
R6586 1.5k
D6584 MAZ80510LL
C6582 16V 1u
D6581 MAZ83300ML
D6582 MAZ83300ML
D6583 LNJ301MPUJA (GREEN LED)
R6581 10k
R6582 39k
R6583 39k
R6584 7.5k
AC_CPH1
AC_CPH2
IC6861 C0BBBA000022
COMPARATOR
FLOATING GND
PC6861 B3PBA0000223
R6867 3.9k
D6820 MA2J11100L
15V_F
VSCN_F
R6861 39k
R6862 47k
R6863 47k
R6864 9.1k
C6862 25V 1u
R6865 1.8k
R6866 1.5k
C6861 16V 1u
D6861 MAZ80510LL
C6863 50V 0.01u
R6868 22k
R6869 4.7k
D6862 MA2J11100L
VF_GND
D6614 MA2J11100L
C6611 50V 0.01u
TP28 TP29 TP30 TP31 TP32 TP33 TP34 TP35
*C6400 630V 1000p
*C6410 630V 1000p
*C6420 630V 1000p
IC6610 C0BBBA000022
COMPARATOR
15V_F
C6612 25V 1u
R6616 15k
D6613 MA2J11100L
R6619 1.5k
R6618 12k
R6617 1M
C6610 25V 1u
D6611 MA2J11100L
D6612 MA2J11100L
R6615 24k
R6614 24k
D6610 MAZ81500ML
VF_GND
PC6871 B3PBA0000223
R6877 3.9k
D6821 MA2J11100L
D6872 MA2J11100L
R6879 4.7k
R6878 22k
16V_F
IC6871 C0BBBA000022
COMPARATOR
R6875 3.3k
C6873 50V 0.01u
R6876 1.2k
C6872 25V 1u
D6871 MAZ80510LL
COLD
FLOATING GND
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

TH-37/42PA60E, TH-37/42PD60B SC-Board (1 of 2) Schematic Diagram

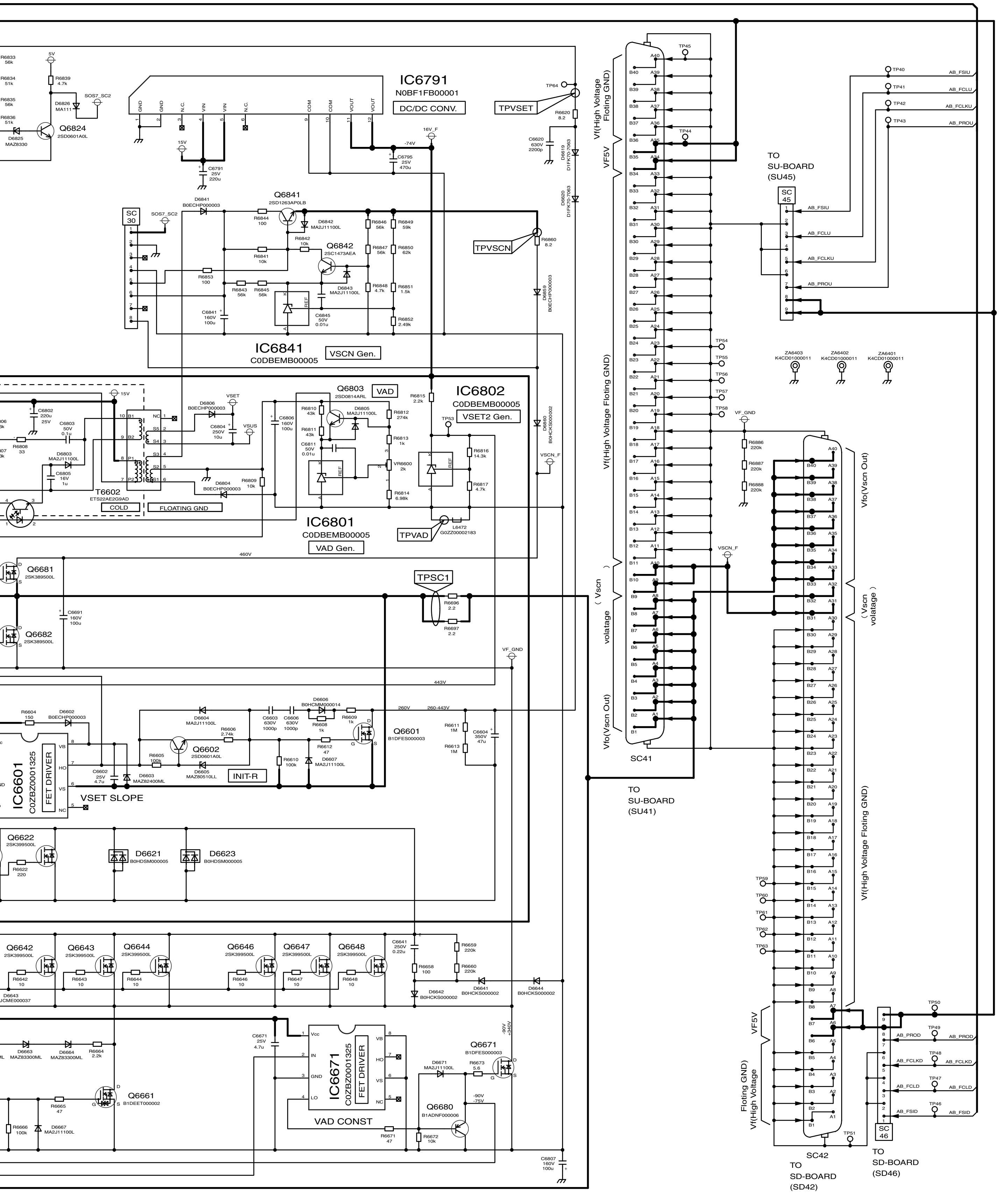
5 6 7 8 9

14.61. SC-Board (2 of 2) Schematic Diagram


SC-BOARD (2/2)
TNPA3794AE(37inch)
TNPA3794AB(42inch)
COLD
FLOATING GND
PC6701
B3PBA0000397
PC6702
B3PBA0000397
PC6703
B3PBA0000397
PC6704
K7GBZEE00007
PC6705
B3PBA0000397
PC6480
B3PBA0000223
IC6471
C0DBEKA00003
IC6721
C0JBAZ000994
BUFFER
IC6722
C0JBAZ000994
BUFFER
IC6682
C0JBAA000377
Q6744
2SK062000L
Q6742
2SD0601A0L
Q6743
2SD0601A0L
IC6681
C0ZBZ0001325
FET DRIVER
VSCN
SUPERIMEPOSED
IC6724
C0CBADC00089
+5V(SC1)
IC6725
C0CBADC00089
+5V(SC2)
Q6821
2SD1263AP0L
Q6822
2SC3063000RL
VSET
IC6821
C0DBEMB00005
+5V(SC1)
Q6824
2SD0601A0L
Q6801
B1BAEJ000014
Q6802
2SB0709ARL
PC6801
B3PBA0000223
Q6691
2SK062000L
Q6681
2SK389500L
Q6682
2SK389500L
IC6753
C0JBAB000715
IC6751
C0CBADC00089
+5V(SC3)
IC6752
C0ZBZ0001325
FET DRIVER
VSET SEPARATE
IC6602
C0JBAB000715
IC6601
C0ZBZ0001325
FET DRIVER
VSET
Q6621
2SK399500L
Q6622
2SK399500L
Q6762
B1ADNF000006
PC6760
B3PBA0000223
IC6771
C0CBADC00089
+5V(SC3)
IC6773
C0JBAA000377
IC6772
C0ZBZ0001325
FET DRIVER
VAD SEPARATE
IC6774
C0JBAA000377
Q6781
B1ABNF000006
Q6782
B1ADNF000006
Q6642
2SK399500L
Q6643
2SK399500L
Q6662
2SD0601A0L
Q6663
2SD21850RL
INIT-F
Q6791
2SD0601A0L
AA_CL
AA_CLK
AA_SIU
AA_SID
AA_CEL2
AC_CPH2
AC_CPH1
AA_CEL
AA_SCSU
AB_FCLD
AB_FCLU
AB_FCLKD
AB_FCLKU
AB_FSIU
AB_FSID
AB_PROU
AB_PROD
1
2
3
4
5
6
7
8
9
10

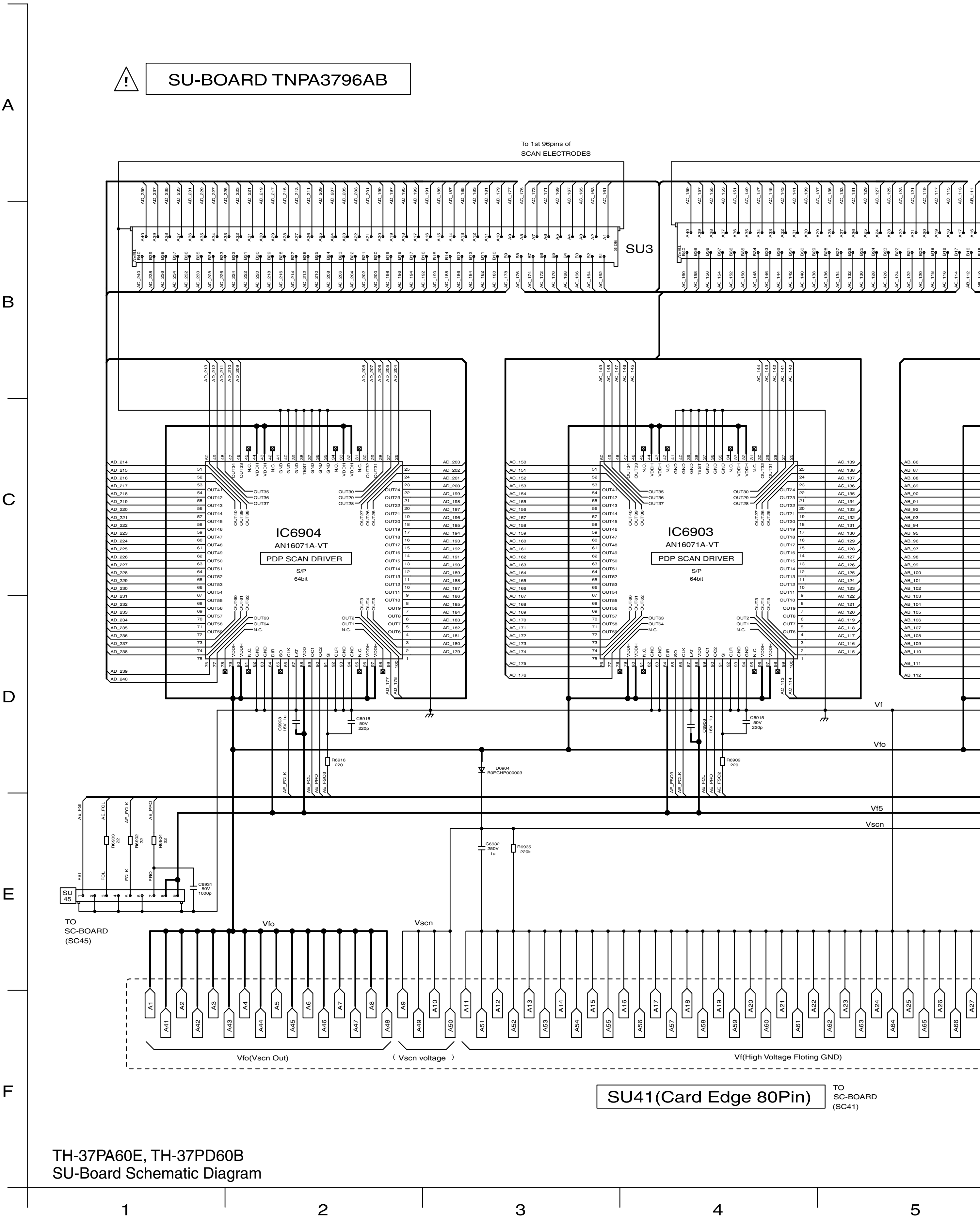
TH-37/42PA60E, TH-37/42PD60B
SC-Board (2 of 2) Schematic Diagram

10 11 12 13 14

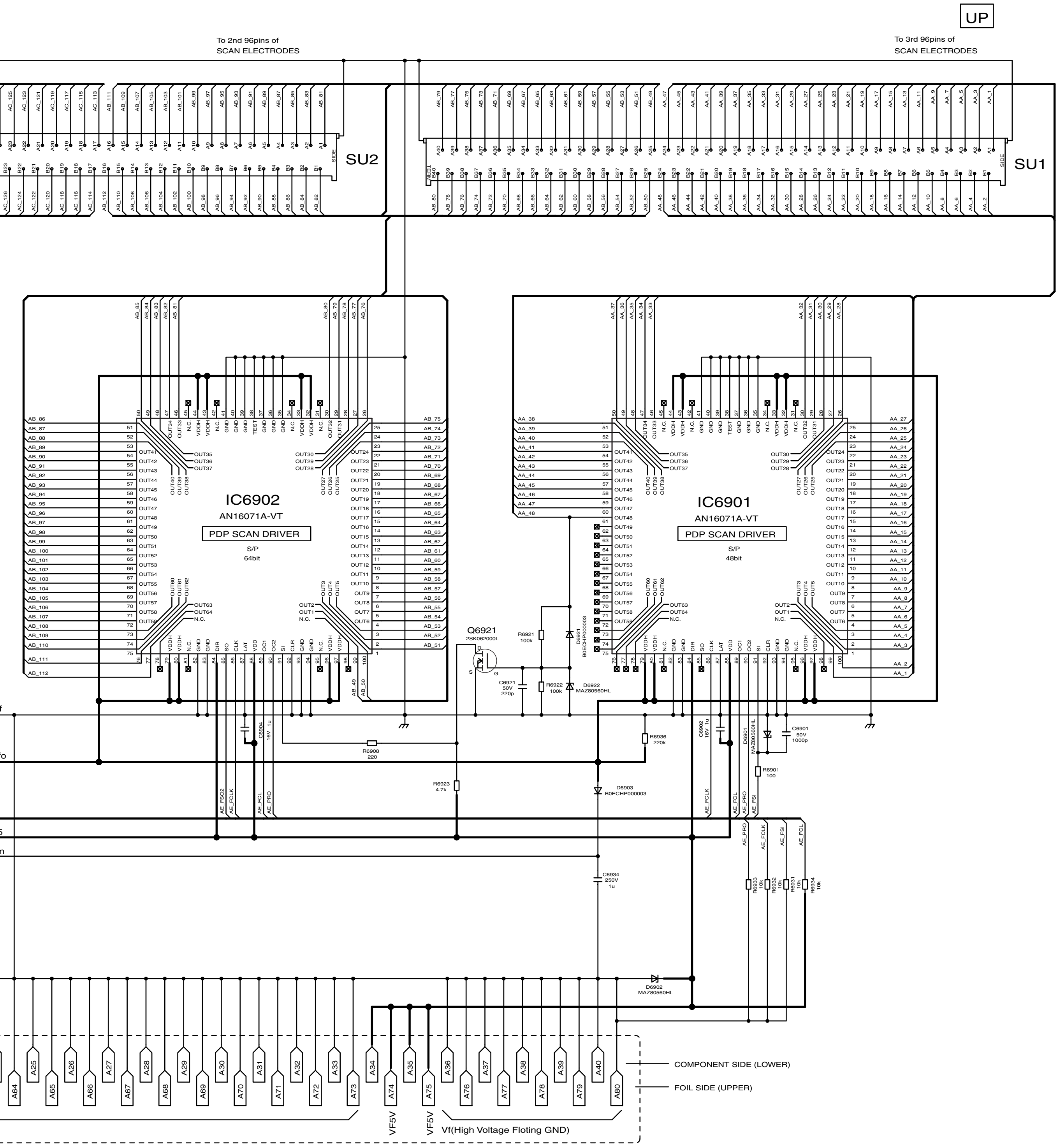

IC6791
N0BF1FB00001
DC/DC CONV.
TPVSET
TP64
R6620 8.2
C6620 630V 2200p
D6619 D1FK70-7063
D6620 D1FK70-7063
Q6824
2SD0601A0L
D6825 MAZ8330
D6826 MA111
R6839 4.7k
SOS7_SC2
C6791 25V 220u
C6795 25V 470u
16V_F
-74V
15V
5V
Q6841
2SD1263AP0LB
D6841 B0ECHP000003
D6842 MA2J11100L
Q6842
2SC1473AEA
D6843 MA2J11100L
SC 30
TPVSCN
R6860 8.2
D6859 B0ECHP000003
IC6841
C0DBEMB00005
VSCN Gen.
Q6803
2SD0814ARL
VAD
IC6802
C0DBEMB00005
VSET2 Gen.
TP53
D6805 MA2J11100L
D6806 B0ECHP000003
VSET
VSUS
T6602
ETS22AE2G9AD
COLD
FLOATING GND
D6803 MA2J11100L
D6804 B0ECHP000003
VR6600 2k
IC6801
C0DBEMB00005
VAD Gen.
TPVAD
L6472 G0ZZ00002183
D6860 B0HCKS000002
VSCN_F
460V
Q6681
2SK389500L
Q6682
2SK389500L
C6691 160V 100u
TPSC1
R6696 2.2
R6697 2.2
VF_GND
443V
260V
260-443V
D6602 B0ECHP000003
D6604 MA2J11100L
D6606 B0HCMM000014
Q6601
B1DFES000003
C6604 350V 47u
Q6602
2SD0601A0L
IC6601
C0ZBZ0001325
FET DRIVER
D6603 MAZ82400ML
D6605 MAZ80510LL
D6607 MA2J11100L
INIT-R
VSET SLOPE
Q6622
2SK399500L
D6621 B0HDSM000005
D6623 B0HDSM000005
Q6642
Q6643
Q6644
Q6646
Q6647
Q6648
2SK399500L
C6641 250V 0.22u
D6642 B0HCKS000002
D6641 B0HCKS000002
D6644 B0HCKS000002
D6643 UCME000037
D6663 MAZ83300ML
D6664 MAZ83300ML
Q6661
B1DEET000002
D6667 MA2J11100L
IC6671
C0ZBZ0001325
FET DRIVER
VAD CONST
Q6671
B1DFES000003
D6671 MA2J11100L
Q6680
B1ADNF000006
-90V +340V
-90V -75V
C6807 160V 100u
TP45
TP44
Vf(High Voltage Floting GND)
VF5V
Vf(High Voltage Floting GND)
(Vscn volatage)
Vfo(Vscn Out)
SC41
TO SU-BOARD (SU41)
TP54
TP55
TP56
TP57
TP58
VF_GND
R6886 220k
R6887 220k
R6888 220k
VSCN_F
TP40
TP41
TP42
TP43
AB_FSIU
AB_FCLU
AB_FCLKU
AB_PROU
TO SU-BOARD (SU45)
SC 45
ZA6403 K4CD01000011
ZA6402 K4CD01000011
ZA6401 K4CD01000011
Vfo(Vscn Out)
(Vscn volatage)
Vf(High Voltage Floting GND)
TP59
TP60
TP61
TP62
TP63
VF5V
Floting GND) Vf(High Voltage
SC42
TO SD-BOARD (SD42)
TP50
TP49
TP48
TP47
TP46
TP51
AB_PROD
AB_FCLKD
AB_FCLD
AB_FSID
SC 46
TO SD-BOARD (SD46)
14
15
16
17
18

TH-37/42PA60E,TH-37/42PD60B
SC-Board (2 of 2) Schematic Diagram

14.62. SU-Board Schematic Diagram (37inch)


SU-BOARD TNPA3796AB
To 1st 96pins of
SCAN ELECTRODES
SU3
IC6904
AN16071A-VT
PDP SCAN DRIVER
S/P
64bit
IC6903
AN16071A-VT
PDP SCAN DRIVER
S/P
64bit
C6908
16V 1u
C6916
50V
220p
C6906
16V 1u
C6915
50V
220p
R6916
220
R6909
220
D6904
B0ECHP000003
C6932
250V
1u
R6935
220k
R6903
22
R6902
22
R6904
22
C6931
50V
1000p
Vf
Vfo
Vf5
Vscn
AE_FSI
AE_FCL
AE_FCLK
AE_PRO
AE_FSO3
AE_FSO2
SU
45
TO
SC-BOARD
(SC45)
Vfo
Vscn
Vfo(Vscn Out)
（ Vscn voltage ）
Vf(High Voltage Floting GND)
SU41(Card Edge 80Pin)
TO
SC-BOARD
(SC41)
A
B
C
D
E
F
1
2
3
4
5

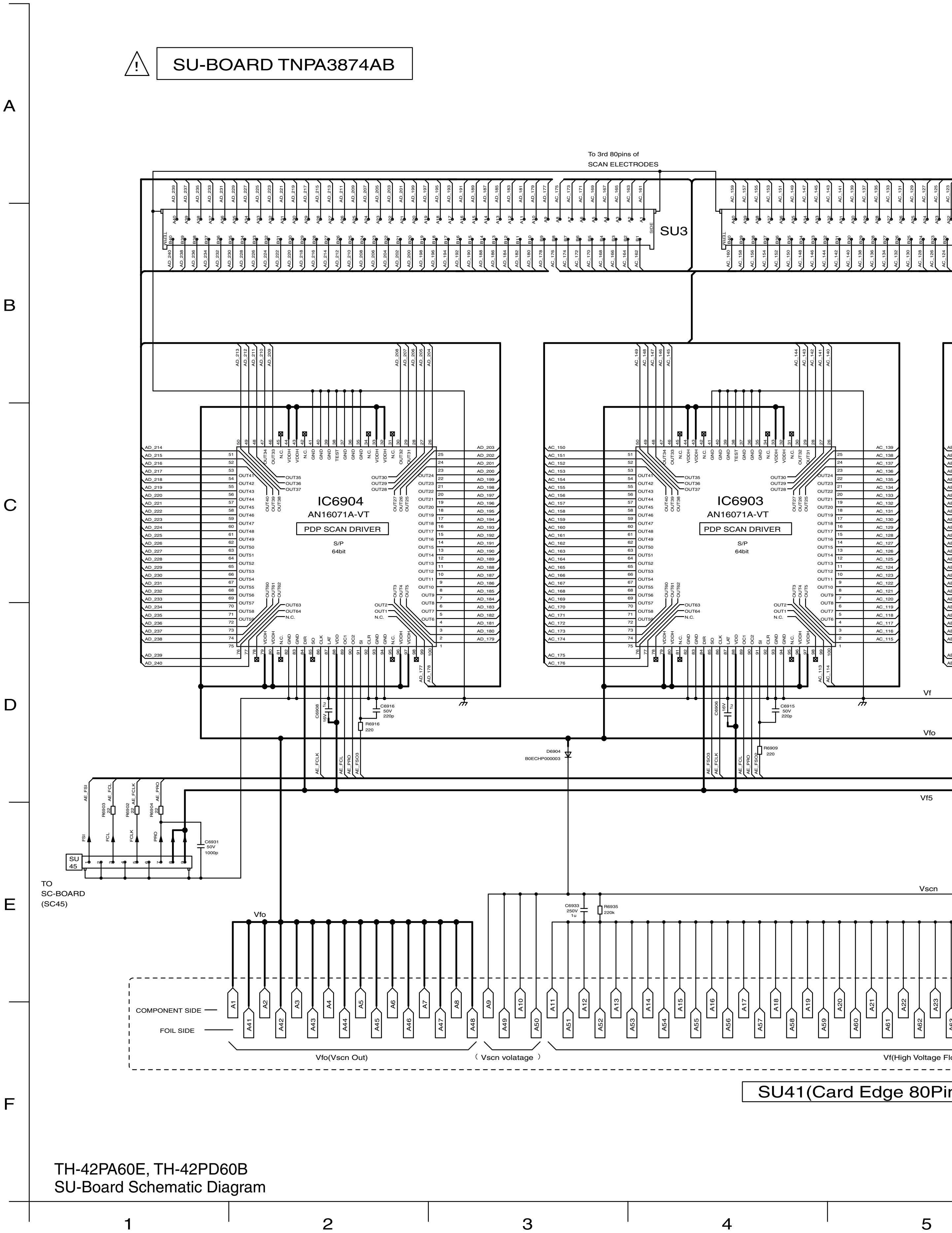
TH-37PA60E, TH-37PD60B
SU-Board Schematic Diagram


UP
To 2nd 96pins of SCAN ELECTRODES
To 3rd 96pins of SCAN ELECTRODES
SU2
SU1
IC6902
AN16071A-VT
PDP SCAN DRIVER
S/P
64bit
IC6901
AN16071A-VT
PDP SCAN DRIVER
S/P
48bit
Q6921
2SK062000L
R6921 100k
R6922 100k
C6921 50V 220p
D6921 B0ECHP000003
D6922 MAZ80560HL
C6904 16V 1u
R6908 220
R6923 4.7k
R6936 220k
D6903 B0ECHP000003
C6902 16V 1u
D6901 MAZ80560HL
C6901 50V 1000p
R6901 100
C6934 250V 1u
R6933 10k
R6932 10k
R6931 10k
R6934 10k
D6902 MAZ80560HL
AE_FSO2
AE_FCLK
AE_FCL
AE_PRO
AE_FSI
COMPONENT SIDE (LOWER)
FOIL SIDE (UPPER)
VF5V
VF5V
Vf(High Voltage Floting GND)

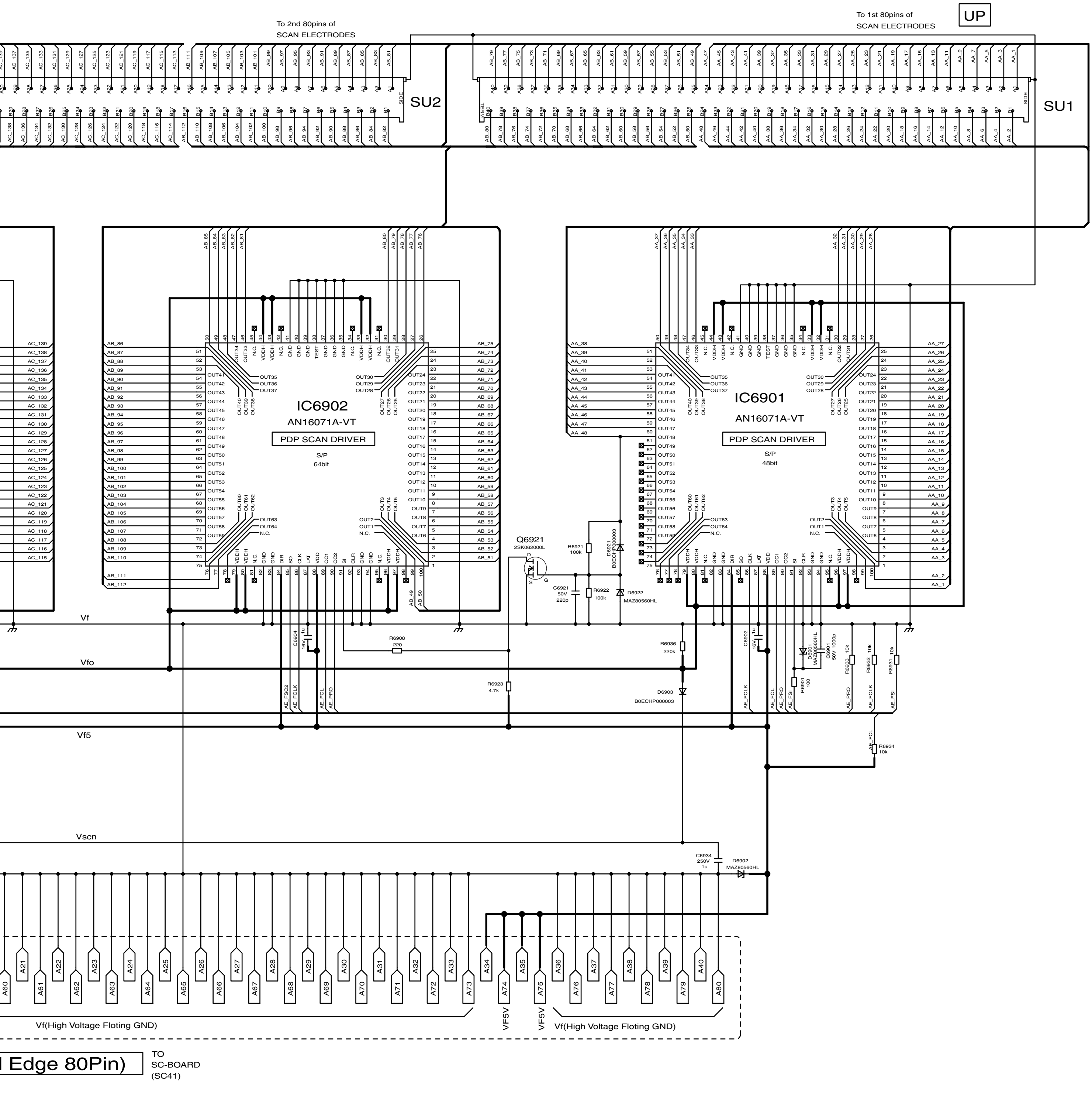
TH-37PA60E, TH-37PD60B
SU-Board Schematic Diagram

5	6	7	8	9

14.63. SU-Board Schematic Diagram (42inch)


A
B
C
D
E
F
1
2
3
4
5
SU-BOARD TNPA3874AB
To 3rd 80pins of
SCAN ELECTRODES
SU3
IC6904
AN16071A-VT
PDP SCAN DRIVER
S/P
64bit
IC6903
AN16071A-VT
PDP SCAN DRIVER
S/P
64bit
C6916
50V
220p
R6916
220
C6908
16V
1u
C6915
50V
220p
R6909
220
C6906
16V
1u
D6904
B0ECHP000003
Vf
Vfo
Vf5
Vscn
C6933
250V
1u
R6935
220k
AE_FSI
AE_FCL
AE_FCLK
AE_PRO
R6903
22
R6902
22
R6904
22
FSI
FCL
FCLK
PRO
C6931
50V
1000p
SU
45
TO
SC-BOARD
(SC45)
Vfo
COMPONENT SIDE
FOIL SIDE
Vfo(Vscn Out)
(Vscn volatage)
Vf(High Voltage Flo
SU41(Card Edge 80Pin

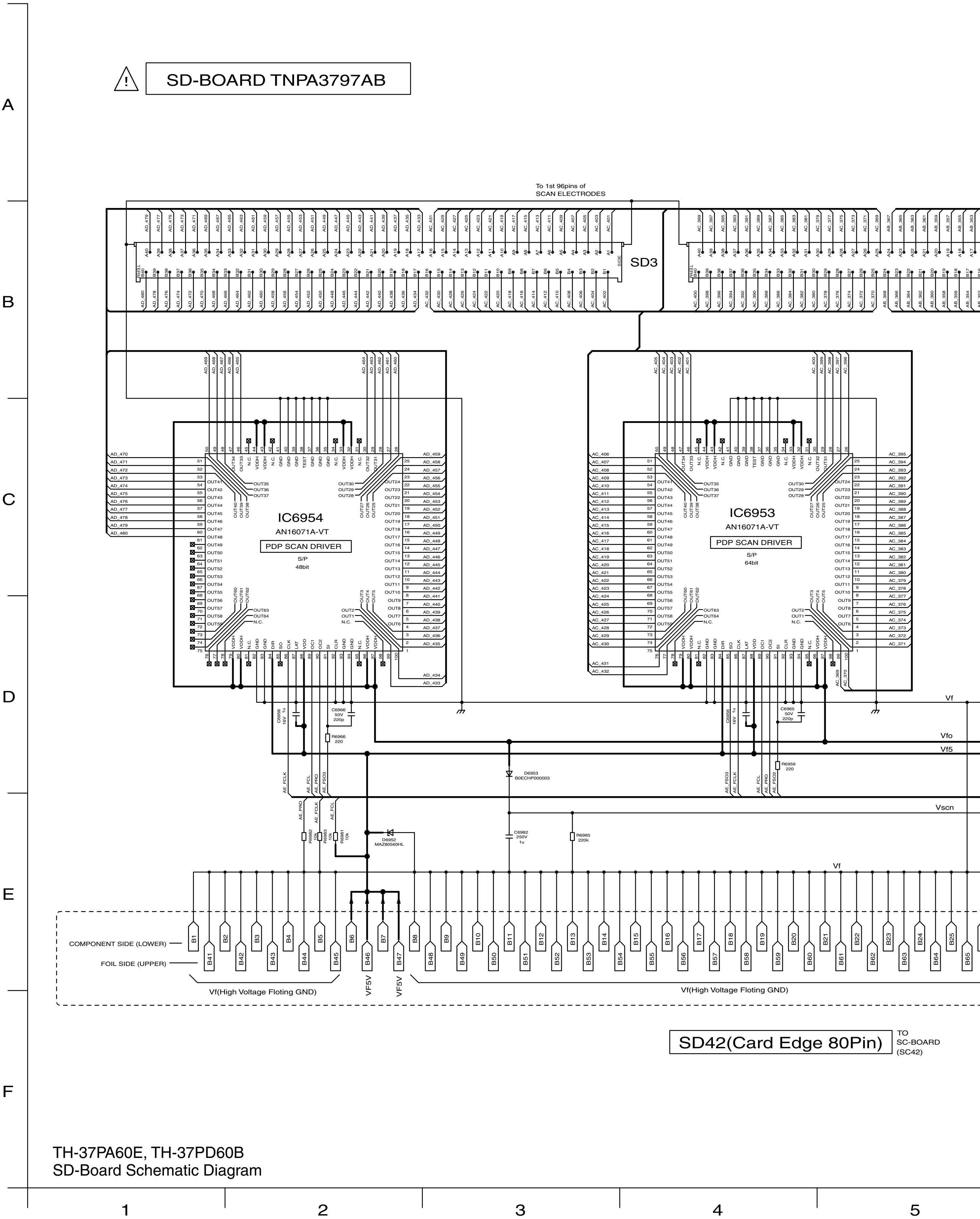
TH-42PA60E, TH-42PD60B
SU-Board Schematic Diagram


UP
To 2nd 80pins of
SCAN ELECTRODES
To 1st 80pins of
SCAN ELECTRODES
SU2
SU1
IC6902
AN16071A-VT
PDP SCAN DRIVER
S/P
64bit
IC6901
AN16071A-VT
PDP SCAN DRIVER
S/P
48bit
Q6921
2SK062000L
C6921 50V 220p
R6921 100k
R6922 100k
D6921 B0ECHP000003
D6922 MAZ80560HL
R6908 220
C6904 16V 1u
R6923 4.7k
R6936 220k
D6903 B0ECHP000003
C6902 16V 1u
D6901 MAZ80560HL
C6901 50V 1000p
R6901 100
R6933 10k
R6932 10k
R6931 10k
R6934 10k
C6934 250V 1u
D6902 MAZ80560HL
Vf
Vfo
Vf5
Vscn
AE_FSO2
AE_FCLK
AE_FCL
AE_PRO
AE_FSI
A21
A22
A23
A24
A25
A26
A27
A28
A29
A30
A31
A32
A33
A34
A35
A36
A37
A38
A39
A40
A60
A61
A62
A63
A64
A65
A66
A67
A68
A69
A70
A71
A72
A73
A74
A75
A76
A77
A78
A79
A80
Vf(High Voltage Floting GND)
VF5V
VF5V
Vf(High Voltage Floting GND)
l Edge 80Pin)
TO
SC-BOARD
(SC41)

TH-42PA60E, TH-42PD60B
SU-Board Schematic Diagram

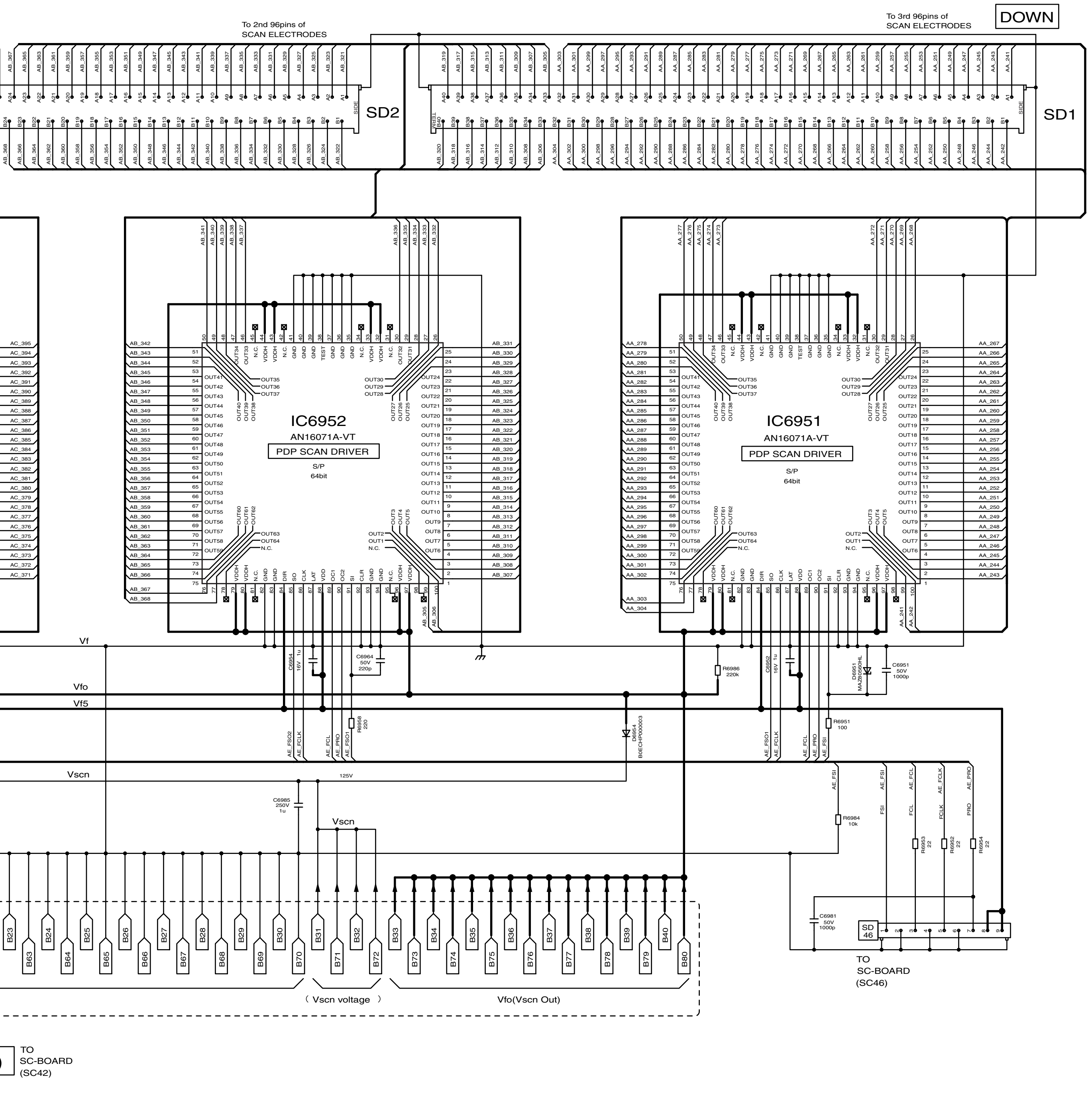
5 6 7 8 9

14.64. SD-Board Schematic Diagram (37inch)



SD-BOARD TNPA3797AB
To 1st 96pins of
SCAN ELECTRODES
SD3
IC6954
AN16071A-VT
PDP SCAN DRIVER
S/P
48bit
IC6953
AN16071A-VT
PDP SCAN DRIVER
S/P
64bit
Vf
Vfo
Vf5
Vscn
C6958 16V 1u
C6966 50V 220p
R6966 220
C6956 16V 1u
C6965 50V 220p
R6959 220
D6953 B0ECHP000003
D6952 MAZ80560HL
R6982
R6983 10k
R6981 10k
C6982 250V 1u
R6985 220k
AE_FCLK
AE_FCL
AE_PRO
AE_FSO3
AE_FSO2
COMPONENT SIDE (LOWER)
FOIL SIDE (UPPER)
Vf(High Voltage Floting GND)
VF5V
VF5V
Vf(High Voltage Floting GND)
SD42(Card Edge 80Pin)
TO
SC-BOARD
(SC42)
A
B
C
D
E
F
1
2
3
4
5

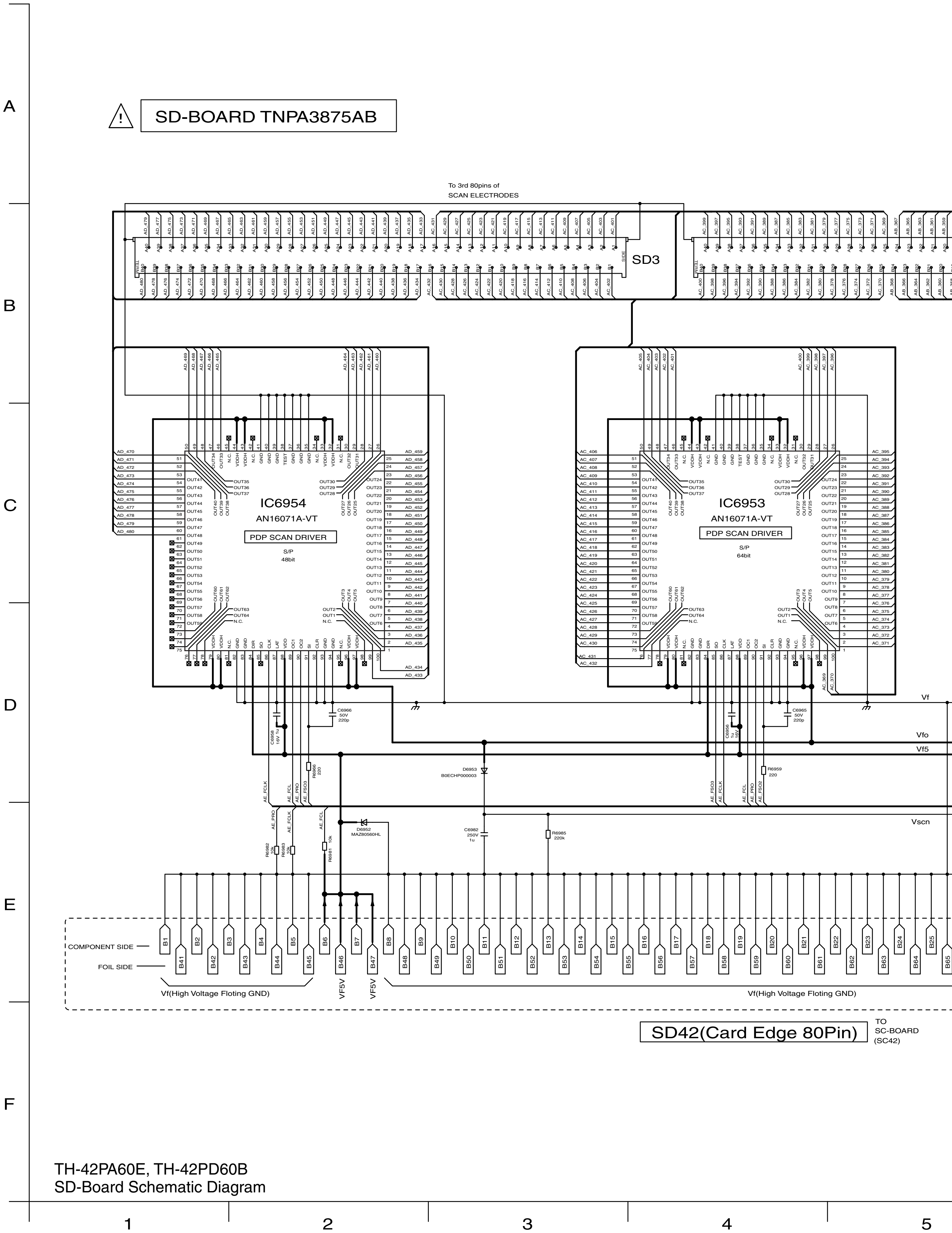
TH-37PA60E, TH-37PD60B
SD-Board Schematic Diagram


To 2nd 96pins of SCAN ELECTRODES
To 3rd 96pins of SCAN ELECTRODES
DOWN
SD2
SD1
IC6952
AN16071A-VT
PDP SCAN DRIVER
S/P
64bit
IC6951
AN16071A-VT
PDP SCAN DRIVER
S/P
64bit
Vf
Vfo
Vf5
Vscn
125V
C6954 16V 1u
C6964 50V 220p
R6958 220
C6985 250V 1u
D6954 B0ECHP000003
R6986 220k
C6952 16V 1u
C6951 50V 1000p
R6951 100
R6984 10k
R6953 22
R6952 22
R6954 22
C6981 50V 1000p
AE_FSO2
AE_FCLK
AE_FCL
AE_PRO
AE_FSO1
AE_FSI
FSI
FCL
FCLK
PRO
Vscn
SD 46
TO SC-BOARD (SC46)
B23
B24
B25
B26
B27
B28
B29
B30
B31
B32
B33
B34
B35
B36
B37
B38
B39
B40
B63
B64
B65
B66
B67
B68
B69
B70
B71
B72
B73
B74
B75
B76
B77
B78
B79
B80
(Vscn voltage)
Vfo(Vscn Out)
TO SC-BOARD (SC42)

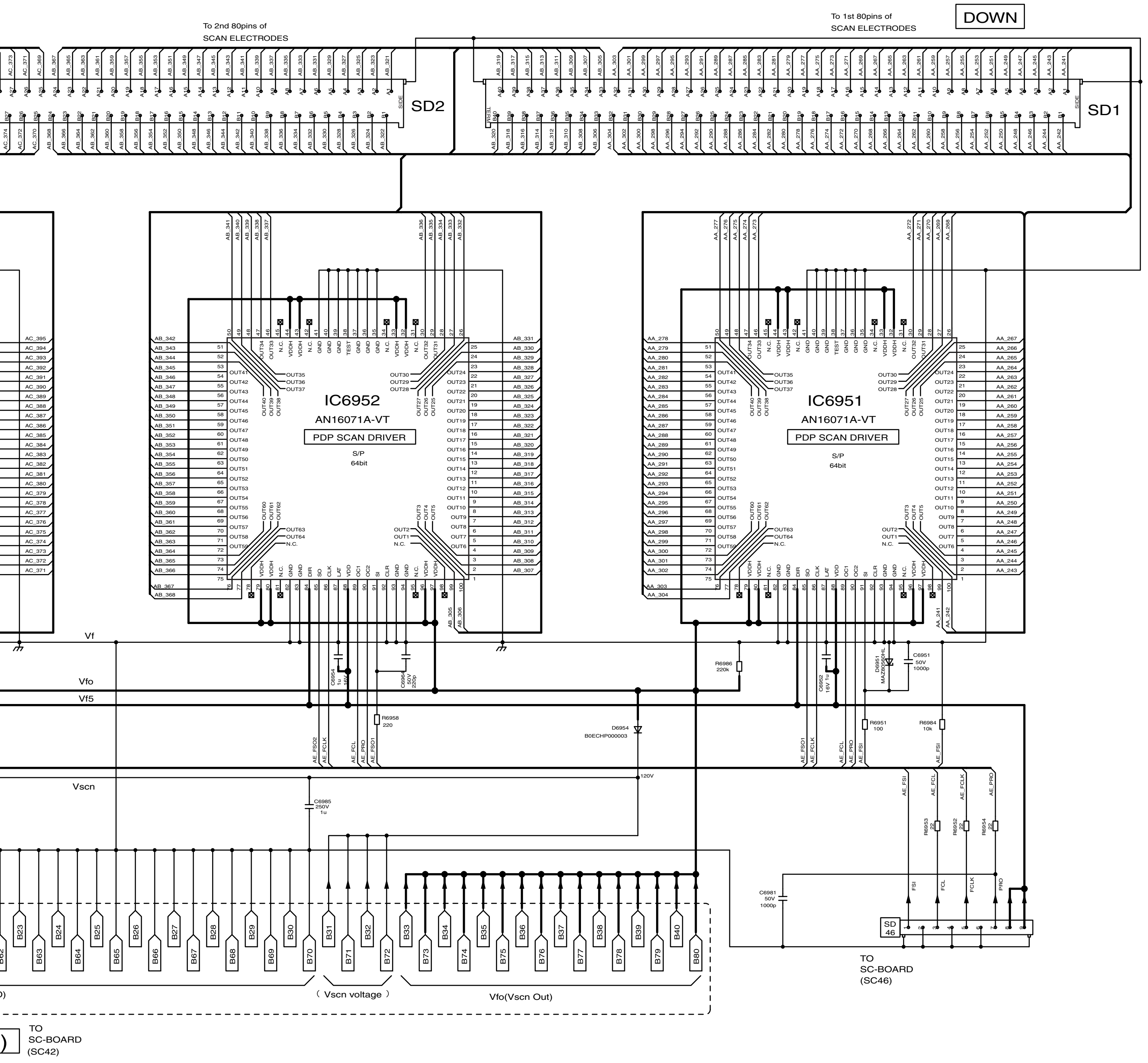
TH-37PA60E, TH-37PD60B
SD-Board Schematic Diagram

5 6 7 8 9

14.65. SD-Board Schematic Diagram (42inch)


A
B
C
D
E
F
1
2
3
4
5
SD-BOARD TNPA3875AB
To 3rd 80pins of
SCAN ELECTRODES
SD3
IC6954
AN16071A-VT
PDP SCAN DRIVER
S/P
48bit
IC6953
AN16071A-VT
PDP SCAN DRIVER
S/P
64bit
C6966
50V
220p
C6958
16V 1u
R6966
220
C6965
50V
220p
C6956
1u
16V
R6959
220
D6953
B0ECHP000003
D6952
MAZ80560HL
C6982
250V
1u
R6985
220k
R6982
10k
R6983
10k
R6981
10k
AE_FCLK
AE_PRO
AE_FCL
AE_FSO3
AE_FSO2
Vf
Vfo
Vf5
Vscn
COMPONENT SIDE
FOIL SIDE
Vf(High Voltage Floting GND)
VF5V
VF5V
Vf(High Voltage Floting GND)
SD42(Card Edge 80Pin)
TO
SC-BOARD
(SC42)

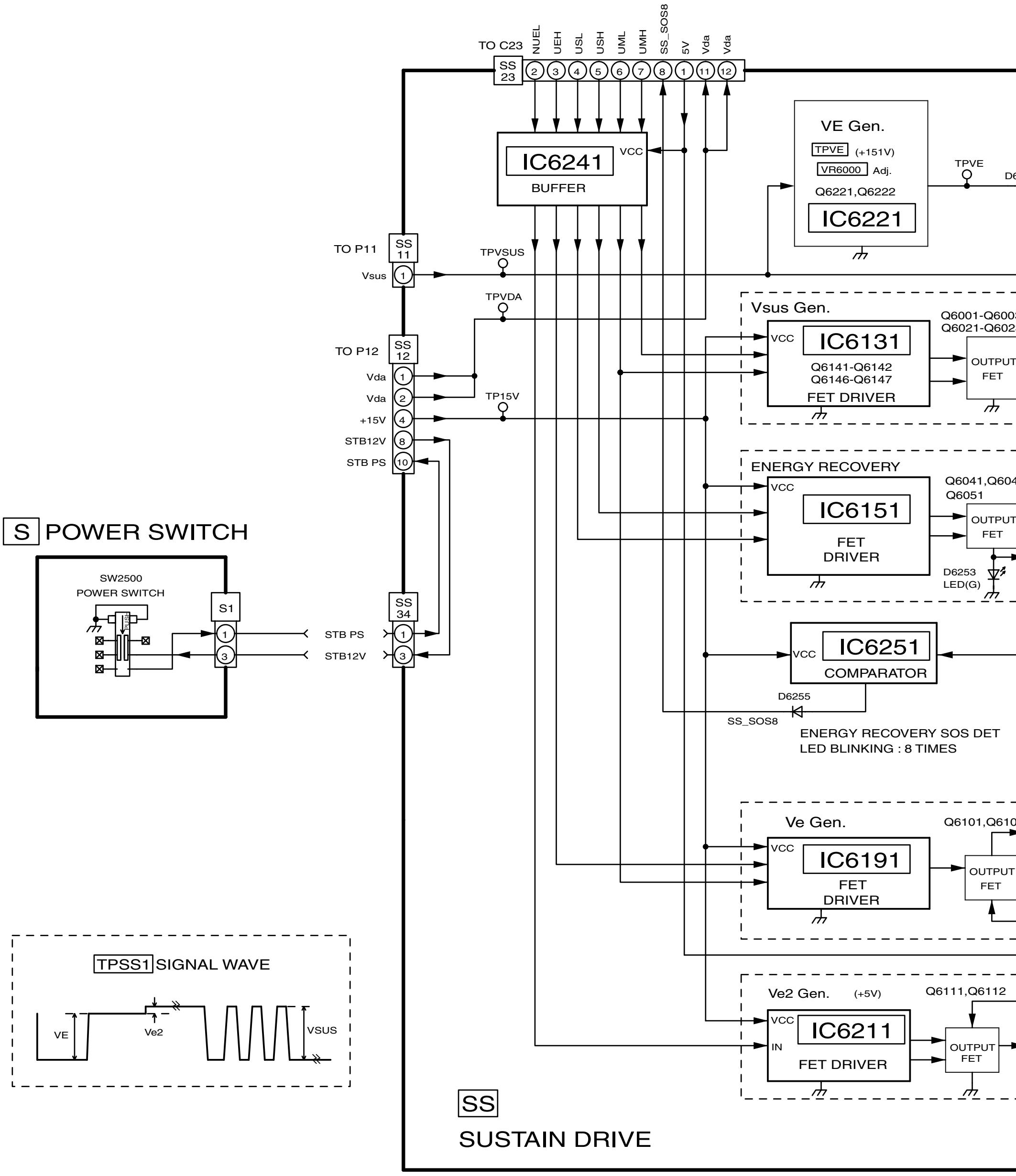
TH-42PA60E, TH-42PD60B
SD-Board Schematic Diagram


To 2nd 80pins of
SCAN ELECTRODES
To 1st 80pins of
SCAN ELECTRODES
DOWN
SD2
SD1
IC6952
AN16071A-VT
PDP SCAN DRIVER
S/P
64bit
IC6951
AN16071A-VT
PDP SCAN DRIVER
S/P
64bit
Vf
Vfo
Vf5
Vscn
C6954
C6964 50V 220p
R6958 220
R6986 220k
C6952 16V 1u
D6951
C6951 50V 1000p
R6951 100
R6984 10k
D6954 B0ECHP000003
C6985 250V 1u
120V
AE_FSO2
AE_FCLK
AE_FCL
AE_PRO
AE_FSO1
AE_FSI
R6953 22
R6952 22
R6954 22
FSI
FCL
FCLK
PRO
C6981 50V 1000p
SD 46
TO SC-BOARD (SC46)
B62
B63
B64
B65
B66
B67
B68
B69
B70
B71
B72
B73
B74
B75
B76
B77
B78
B79
B80
(Vscn voltage)
Vfo(Vscn Out)
TO SC-BOARD (SC42)

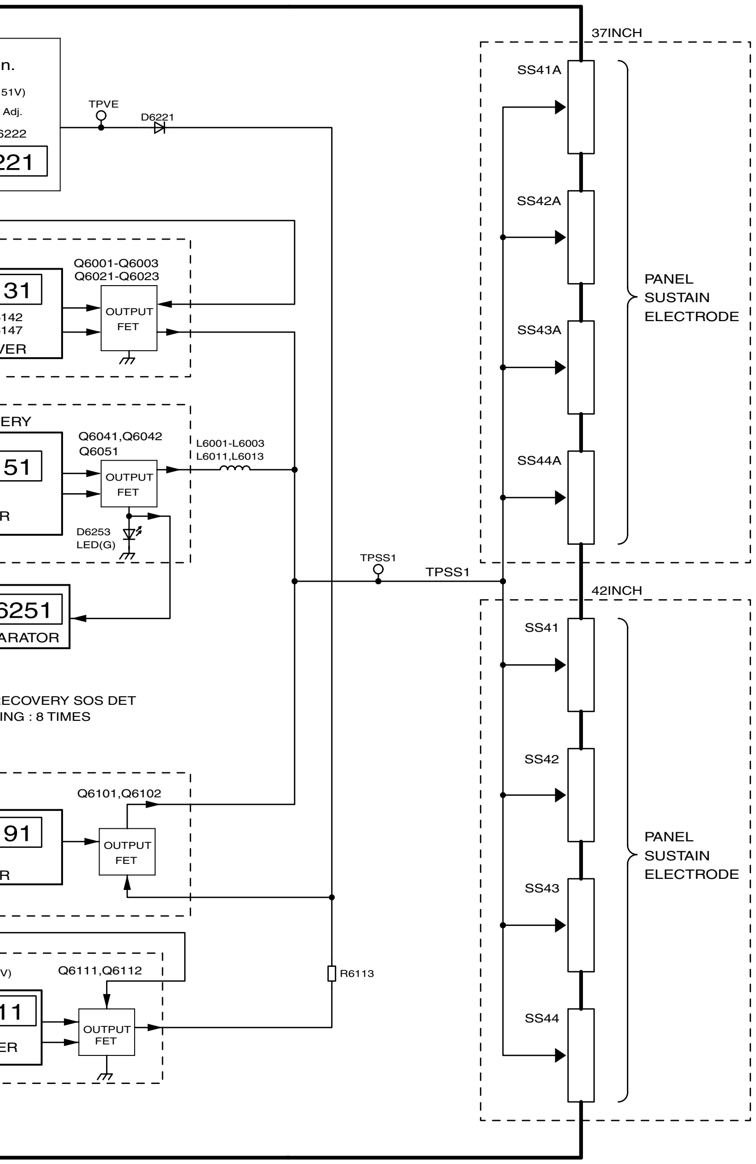
TH-42PA60E, TH-42PD60B
SD-Board Schematic Diagram

5 6 7 8 9

14.66. SS and S-Board Block Diagram



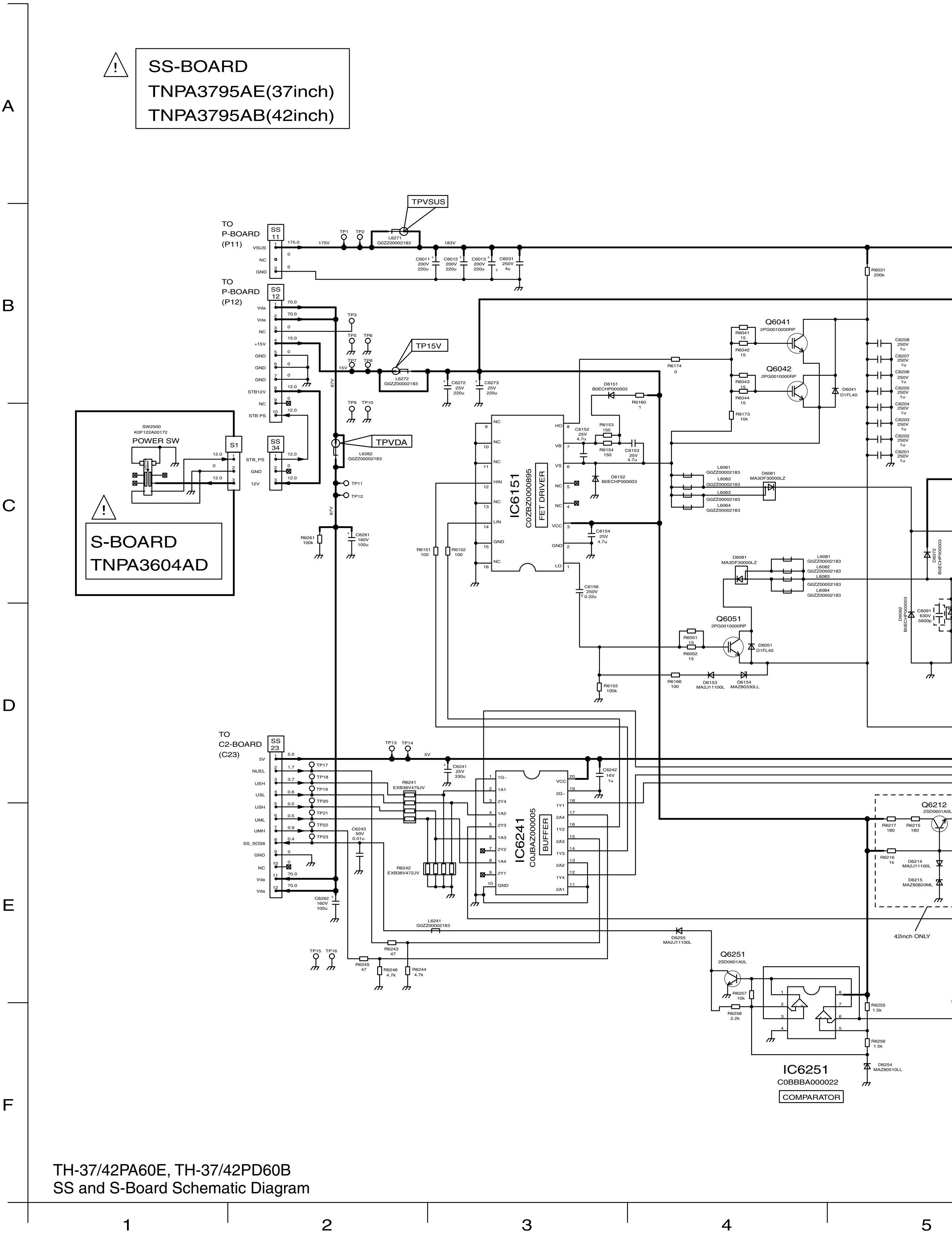
TO C23
SS 23
NUEL
UEH
USL
USH
UML
UMH
SS_SOS8
5V
Vda
Vda
2
3
4
5
6
7
8
1
11
12
IC6241
BUFFER
VCC
VE Gen.
TPVE
(+151V)
VR6000
Adj.
Q6221,Q6222
IC6221
TPVE
TO P11
SS 11
Vsus
1
TPVSUS
TPVDA
TO P12
SS 12
Vda
Vda
+15V
STB12V
STB PS
1
2
4
8
10
TP15V
Vsus Gen.
Q6001-Q600
Q6021-Q602
VCC
IC6131
Q6141-Q6142
Q6146-Q6147
FET DRIVER
OUTPUT
FET
ENERGY RECOVERY
Q6041,Q604
Q6051
VCC
IC6151
FET
DRIVER
OUTPUT
FET
D6253
LED(G)
S
POWER SWITCH
SW2500
POWER SWITCH
S1
1
3
STB PS
STB12V
SS 34
1
3
VCC
IC6251
COMPARATOR
D6255
SS_SOS8
ENERGY RECOVERY SOS DET
LED BLINKING : 8 TIMES
Ve Gen.
Q6101,Q610
VCC
IC6191
FET
DRIVER
OUTPUT
FET
TPSS1
SIGNAL WAVE
VE
Ve2
VSUS
Ve2 Gen.
(+5V)
Q6111,Q6112
VCC
IN
IC6211
FET DRIVER
OUTPUT
FET
SS
SUSTAIN DRIVE



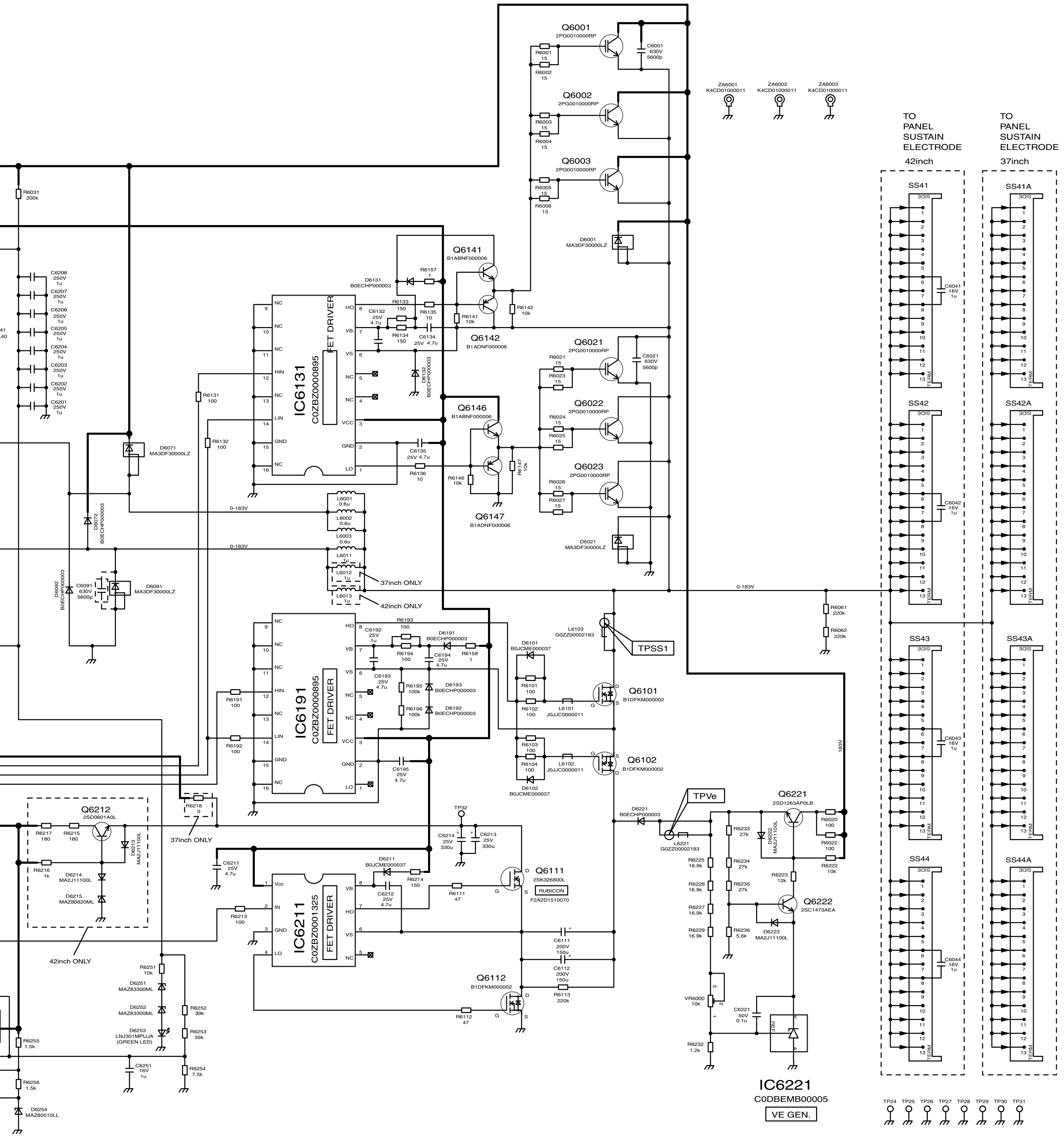
n.
51V)
Adj.
6222
221
TPVE
D6221
37INCH
SS41A
SS42A
SS43A
SS44A
PANEL
SUSTAIN
ELECTRODE
31
Q6001-Q6003
Q6021-Q6023
142
147
VER
OUTPUT
FET
ERY
Q6041,Q6042
Q6051
51
L6001-L6003
L6011,L6013
OUTPUT
FET
R
D6253
LED(G)
TPSS1
TPSS1
6251
ARATOR
42INCH
SS41
SS42
SS43
SS44
PANEL
SUSTAIN
ELECTRODE
ECOVERY SOS DET
ING : 8 TIMES
Q6101,Q6102
91
OUTPUT
FET
R
V)
Q6111,Q6112
R6113
11
ER
OUTPUT
FET

TH-37/42PA60E, TH-37/42PD60B
SS and S-Board Block Diagram

14.67. SS and S-Board Schematic Diagram

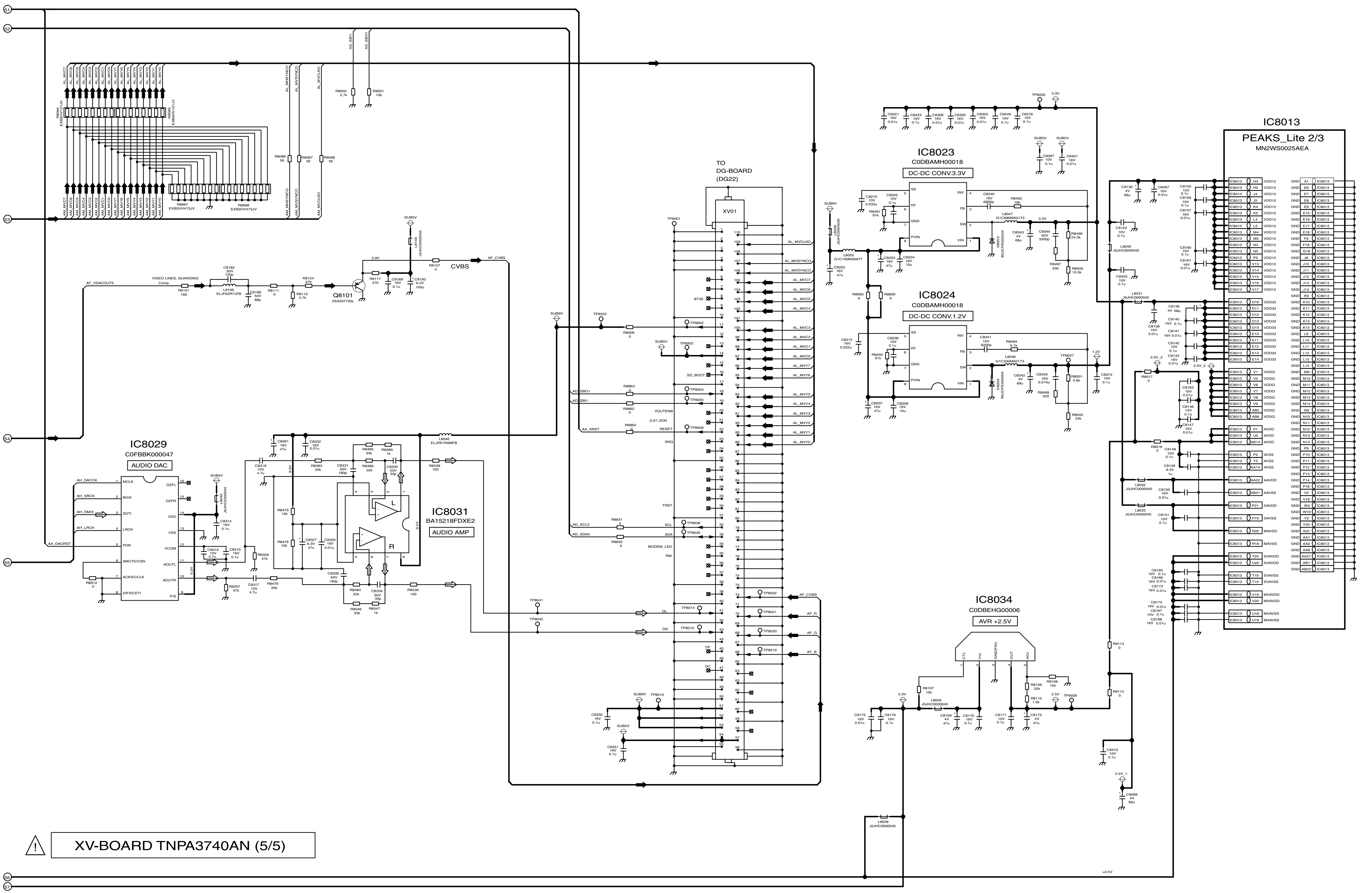

A
B
C
D
E
F
1
2
3
4
5
SS-BOARD
TNPA3795AE(37inch)
TNPA3795AB(42inch)
S-BOARD
TNPA3604AD
TO P-BOARD (P11)
TO P-BOARD (P12)
TO C2-BOARD (C23)
SS 11
SS 12
SS 23
SS 34
S1
VSUS
NC
GND
Vda
+15V
STB12V
STB PS
STB_PS
12V
5V
NUEL
UEH
USL
USH
UML
UMH
SS_SOS8
SW2500
K0F122A00172
POWER SW
TPVSUS
TP15V
TPVDA
L6271
G0ZZ00002183
L6272
G0ZZ00002183
L6262
G0ZZ00002183
175V
183V
15V
67V
C6011 200V 220u
C6012 200V 220u
C6013 200V 220u
C6031 250V 4u
C6272 25V 220u
C6273 25V 220u
C6261 160V 100u
R6261 100k
R6031 200k
IC6151
C0ZBZ0000895
FET DRIVER
HO
VB
VS
VCC
GND
LO
HIN
LIN
D6151 B0ECHP000003
D6152 B0ECHP000003
R6160 1
R6153 150
R6154 150
C6152 25V 4.7u
C6153 25V 4.7u
C6154 25V 4.7u
C6156 250V 0.22u
R6151 100
R6152 100
R6155 100k
R6174 0
Q6041 2PG0010000RP
Q6042 2PG0010000RP
Q6051 2PG0010000RP
R6041 15
R6042 15
R6043 15
R6044 15
R6051 15
R6052 15
R6173 10k
D6041 D1FL40
D6051 D1FL40
L6061 G0ZZ00002183
L6062 G0ZZ00002183
L6063 G0ZZ00002183
L6064 G0ZZ00002183
D6061 MA3DF30000LZ
D6081 MA3DF30000LZ
L6081 G0ZZ00002183
L6082 G0ZZ00002183
L6083
L6084 G0ZZ00002183
R6166 100
D6153 MA2J11100L
D6154 MAZ80330LL
C6201 250V 1u
C6202 250V 1u
C6203 250V 1u
C6204 250V 1u
C6205 250V 1u
C6206 250V 1u
C6207 250V 1u
C6208 250V 1u
C6091 630V 5600p
D6092 B0ECHP000003
D6072 B0ECHP000003
IC6241
C0JBAZ000005
BUFFER
R6241 EXB38V470JV
R6242 EXB38V472JV
C6241 25V 330u
C6242 16V 1u
C6243 50V 0.01u
C6262 160V 100u
L6241 G0ZZ00002183
R6243 47
R6245 47
R6246 4.7k
R6244 4.7k
D6255 MA2J11100L
Q6251 2SD0601A0L
R6257 10k
R6258 2.2k
IC6251
C0BBBA000022
COMPARATOR
R6255 1.5k
R6256 1.5k
D6254 MAZ80510LL
Q6212 2SD0601A0L
R6217 180
R6215 180
R6216 1k
D6214 MA2J11100L
D6215 MAZ80820ML
42inch ONLY
TP1
TP2
TP3
TP5
TP6
TP7
TP8
TP9
TP10
TP11
TP12
TP13
TP14
TP15
TP16
TP17
TP18
TP19
TP20
TP21
TP22
TP23

TH-37/42PA60E, TH-37/42PD60B
SS and S-Board Schematic Diagram

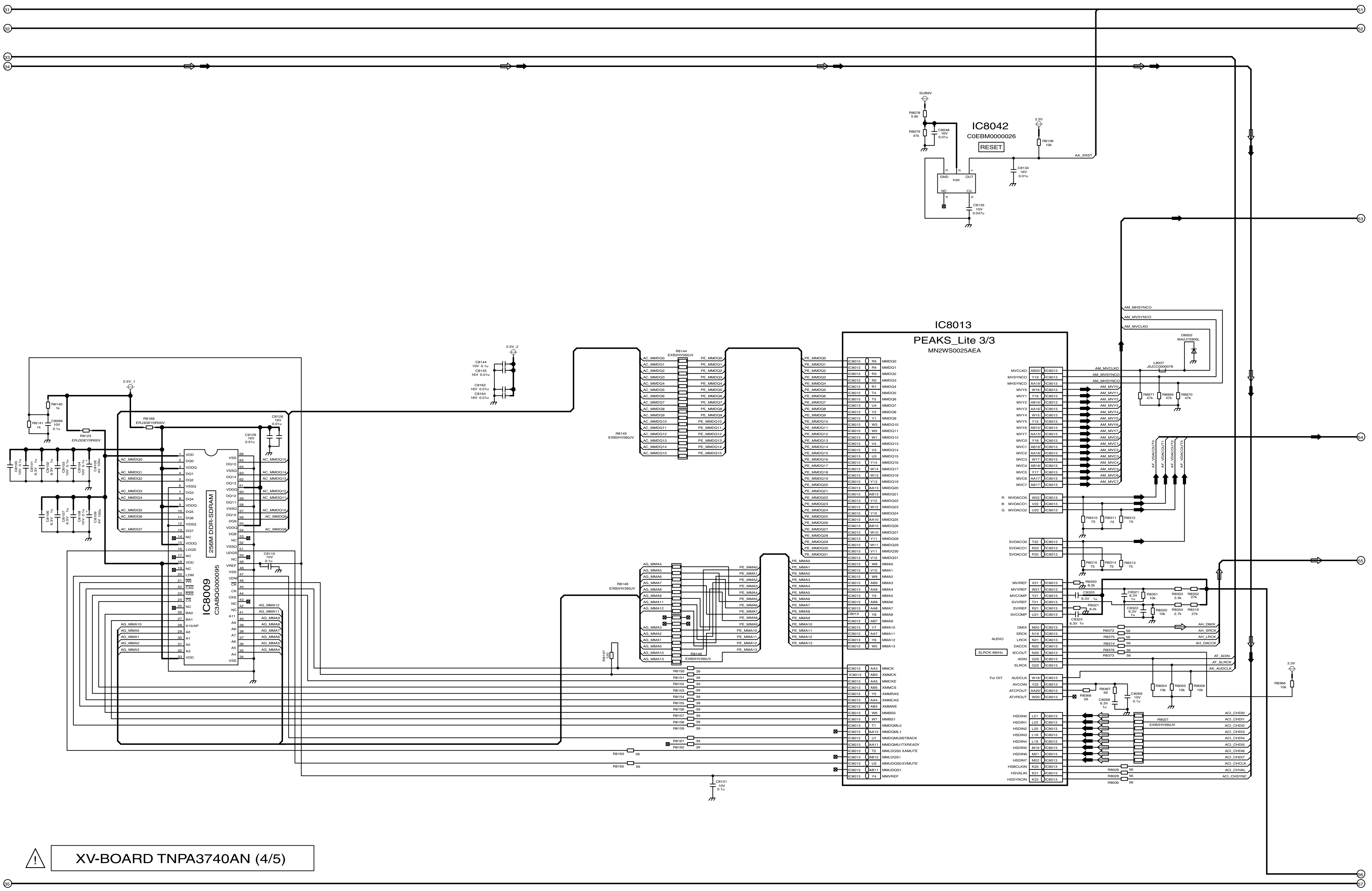

Q6001
2PG0010000RP
R6001 15
R6002 15
C6001 630V 5600p
Q6002
2PG0010000RP
R6003 15
R6004 15
Q6003
2PG0010000RP
R6005 15
R6006 15
D6001
MA3DF30000LZ
ZA6001 K4CD01000011
ZA6002 K4CD01000011
ZA6003 K4CD01000011
TO PANEL SUSTAIN ELECTRODE
42inch
37inch
SS41
SS41A
SS42
SS42A
SS43
SS43A
SS44
SS44A
C6041 16V 1u
C6042 16V 1u
C6043 16V 1u
C6044 16V 1u
TERM
R6031 200k
C6208 250V 1u
C6207 250V 1u
C6206 250V 1u
C6205 250V 1u
C6204 250V 1u
C6203 250V 1u
C6202 250V 1u
C6201 250V 1u
Q6141
B1ABNF000006
D6131 B0ECHP000003
R6157 1
R6133 150
R6135 10
R6134 150
C6132 25V 4.7u
C6134 25V 4.7u
R6141 10k
R6142 10k
Q6142
B1ADNF000006
D6132 B0ECHP000003
IC6131
C0ZBZ0000895
FET DRIVER
NC
HIN
LIN
GND
HO
VB
VS
VCC
LO
R6131 100
R6132 100
D6071 MA3DF30000LZ
D6072 B0ECHP000003
Q6021
2PG0010000RP
R6021 15
R6023 15
C6021 630V 5600p
Q6022
2PG0010000RP
R6024 15
R6025 15
Q6023
2PG0010000RP
R6026 15
R6027 15
D6021 MA3DF30000LZ
Q6146
B1ABNF000006
Q6147
B1ADNF000006
C6135 25V 4.7u
R6136 10
R6146 10k
R6147 10k
0-183V
L6001 0.6u
L6002 0.6u
L6003 0.6u
L6011 1u
L6012 1u
L6013 1u
37inch ONLY
42inch ONLY
C6091 630V 5600p
D6091 MA3DF30000LZ
D6092 B0ECHP000003
R6061 220k
R6062 220k
L6103 G0ZZ00002183
TPSS1
IC6191
C0ZBZ0000895
FET DRIVER
R6193 100
C6192 25V 1u
D6191 B0ECHP000003
R6194 100
C6194 25V 4.7u
R6158 1
C6193 25V 4.7u
R6195 100k
R6196 100k
D6193 B0ECHP000003
D6192 B0ECHP000003
C6195 25V 4.7u
R6191 100
R6192 100
D6101 B0JCME000037
R6101 100
R6102 100
L6101 J0JJC0000011
Q6101
B1DFKM000002
R6103 100
R6104 100
L6102 J0JJC0000011
D6102 B0JCME000037
Q6102
B1DFKM000002
183V
Q6212
2SD0601A0L
R6217 180
R6215 180
D6213 MA2J11100L
R6216 1k
D6214 MA2J11100L
D6215 MAZ80820ML
42inch ONLY
R6218 0
37inch ONLY
C6211 25V 4.7u
TP32
C6214 25V 330u
C6213 25V 330u
IC6211
C0ZBZ0001325
FET DRIVER
Vcc
IN
GND
LO
VB
HO
VS
D6211 B0JCME000037
C6212 25V 4.7u
R6214 150
R6213 100
Q6111
2SK326800L
RUBICON
F2A2D1510070
R6111 47
C6111 200V 150u
C6112 200V 150u
R6113 220k
Q6112
B1DFKM000002
R6112 47
R6251 10k
D6251 MAZ83300ML
D6252 MAZ83300ML
D6253 LNJ301MPUJA (GREEN LED)
R6252 39k
R6253 39k
R6255 1.5k
C6251 16V 1u
R6254 7.5k
R6256 1.5k
D6254 MAZ80510LL
TPVe
D6221 B0ECHP000003
L6221 G0ZZ00002183
Q6221
2SD1263AP0LB
D6222 MA2J11100L
R6233 27k
R6020 100
R6022 100
R6222 10k
R6225 16.9k
R6234 27k
R6223 12k
R6226 16.9k
R6235 27k
Q6222
2SC1473AEA
R6227 16.9k
R6229 16.9k
R6236 5.6k
D6223 MA2J11100L
VR6000 10k
C6221 50V 0.1u
R6232 1.2k
IC6221
C0DBEMB00005
VE GEN.
TP24
TP25
TP26
TP27
TP28
TP29
TP30
TP31

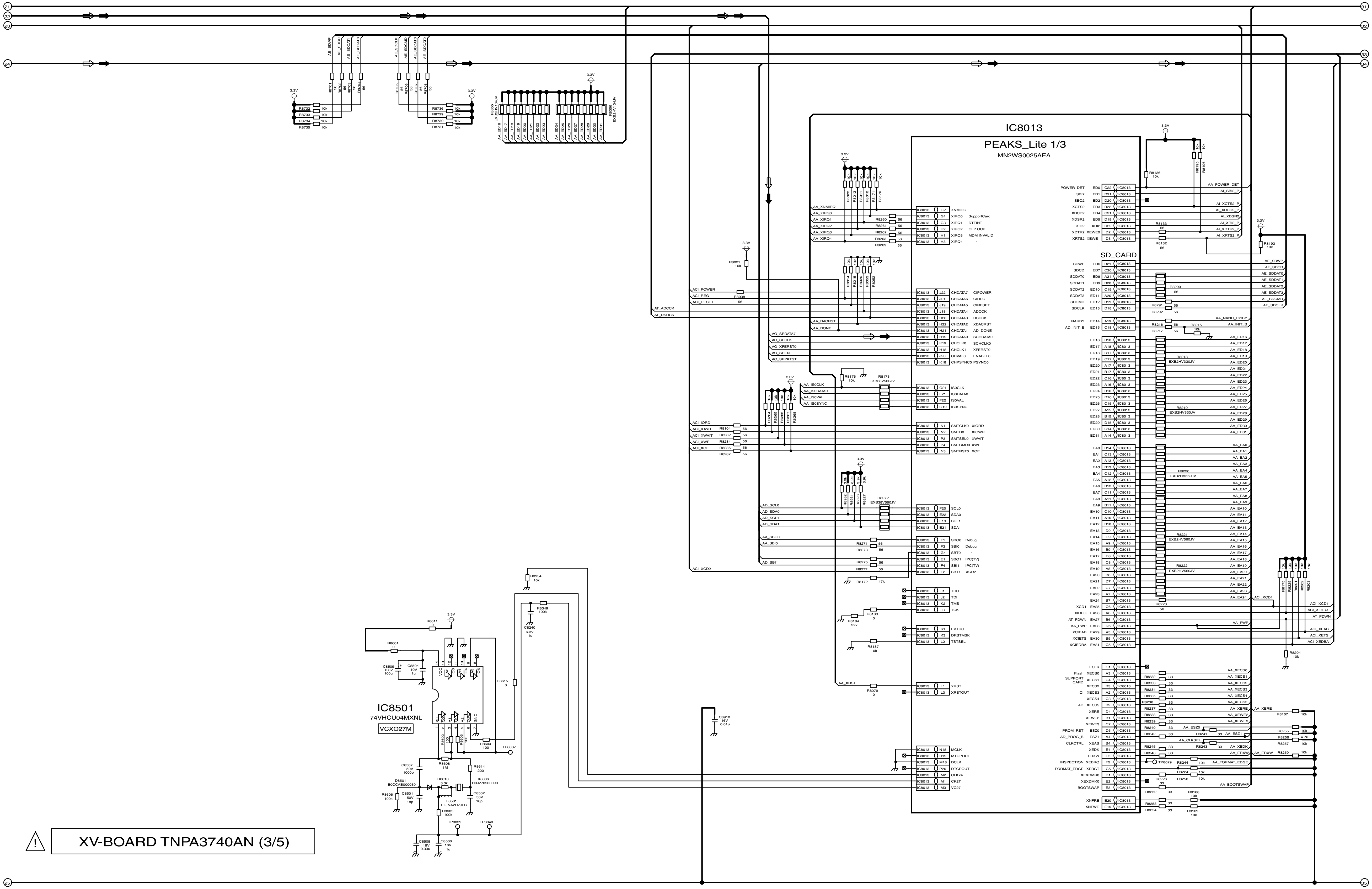
TH-37/42PA60E, TH-37/42PD60B
SS and S-Board Schematic Diagram

5 6 7 8 9

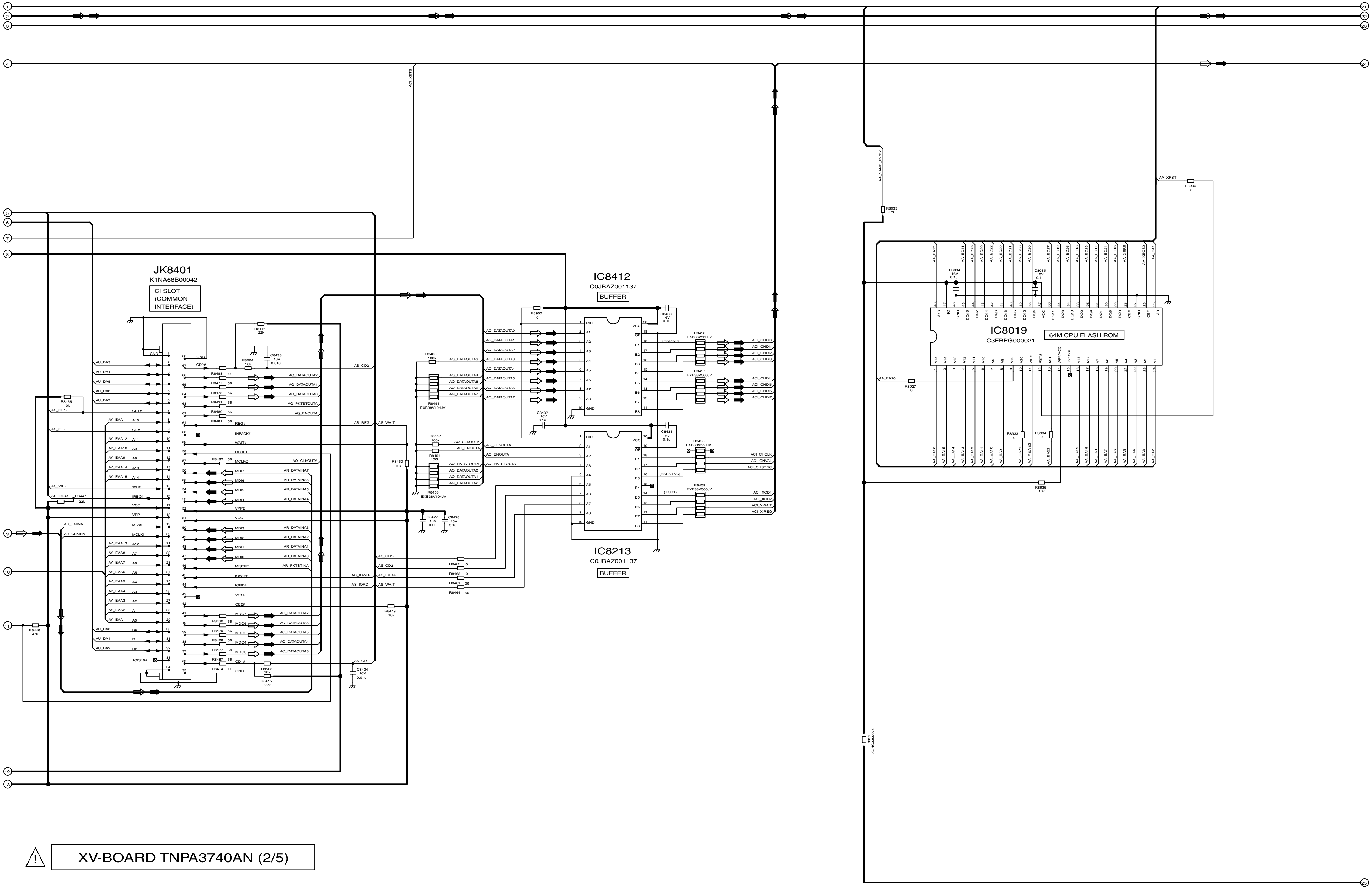

51
52
53
54
55
56
57
IC8029
C0FBBK000047
AUDIO DAC
IC8031
BA15218FDXE2
AUDIO AMP
Q8101
2SA2077OOL
CVBS
VIDEO LINES, GUARDING Comp.
TO DG-BOARD (DG22)
XV01
IC8023
C0DBAMH00018
DC-DC CONV.3.3V
IC8024
C0DBAMH00018
DC-DC CONV.1.2V
IC8034
C0DBEHG00006
AVR +2.5V
IC8013
PEAKS_Lite 2/3
MN2WS0025AEA

⚠ XV-BOARD TNPA3740AN (5/5)


IC8042
C0EBM0000026
RESET
SUB9V
3.3V
AA_XRST
IC8013
PEAKS_Lite 3/3
MN2WS0025AEA
IC8009
C3ABQG000095
256M DDR-SDRAM
2.5V_1
2.5V_2
R8144
EXB2HV560JV
R8145
EXB2HV560JV
R8148
EXB2HV390JV
R8149
EXB2HV390JV
AM_MHSYNCO
AM_MVSYNCO
AM_MVCLKO
D8002
MA2J72800L
L8037
J0JCC0000078
AF_VIDACOUT0
AF_VIDACOUT1
AF_VIDACOUT2
AF_VIDACOUT3
AUDIO
SLRCK:48kHz
For DIT
AH_DMIX
AH_SRCK
AH_LRCK
AH_DACCK
AT_ADIN
AT_SLRCK
AK_AUDCLK
R8027
EXB2HV560JV
ACI_CHDI0
ACI_CHDI1
ACI_CHDI2
ACI_CHDI3
ACI_CHDI4
ACI_CHDI5
ACI_CHDI6
ACI_CHDI7
ACI_CHCLK
ACI_CHVAL
ACI_CHSYNC
XV-BOARD TNPA3740AN (4/5)
28
29
30
31
32
33
34
35
36

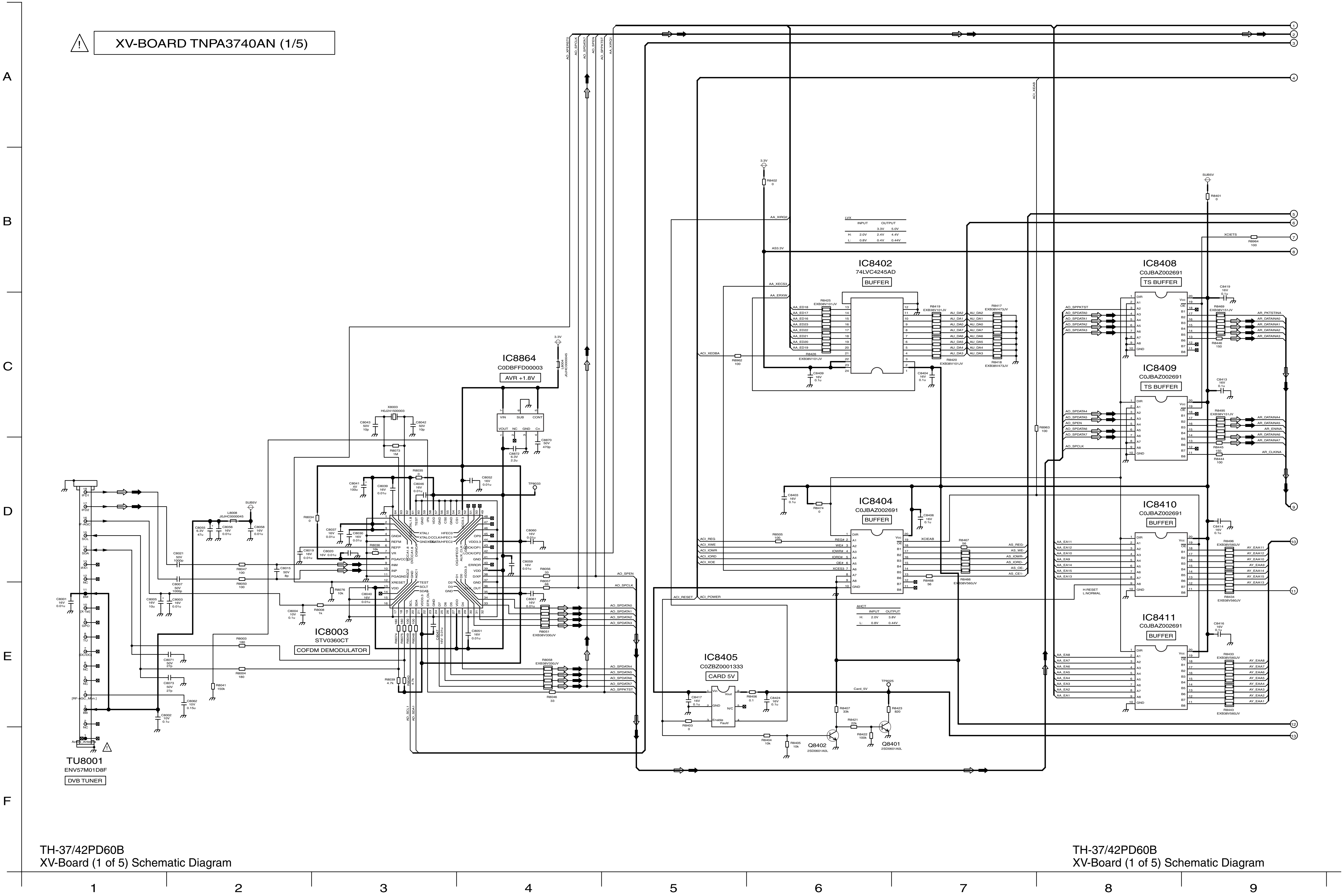

IC8013
PEAKS_Lite 1/3
MN2WS0025AEA
SD_CARD
IC8501
74VHCU04MXNL
VCXO27M
3.3V

⚠ XV-BOARD TNPA3740AN (3/5)


JK8401
K1NA68B00042
CI SLOT
(COMMON
INTERFACE)
IC8412
C0JBAZ001137
BUFFER
IC8213
C0JBAZ001137
BUFFER
IC8019
C3FBPG000021
64M CPU FLASH ROM
R8033
4.7k
R8930
0
R8927
0
R8936
10k
1
2
3
4
5
6
7
8
9
10
11
12
13
21
22
23
24
25

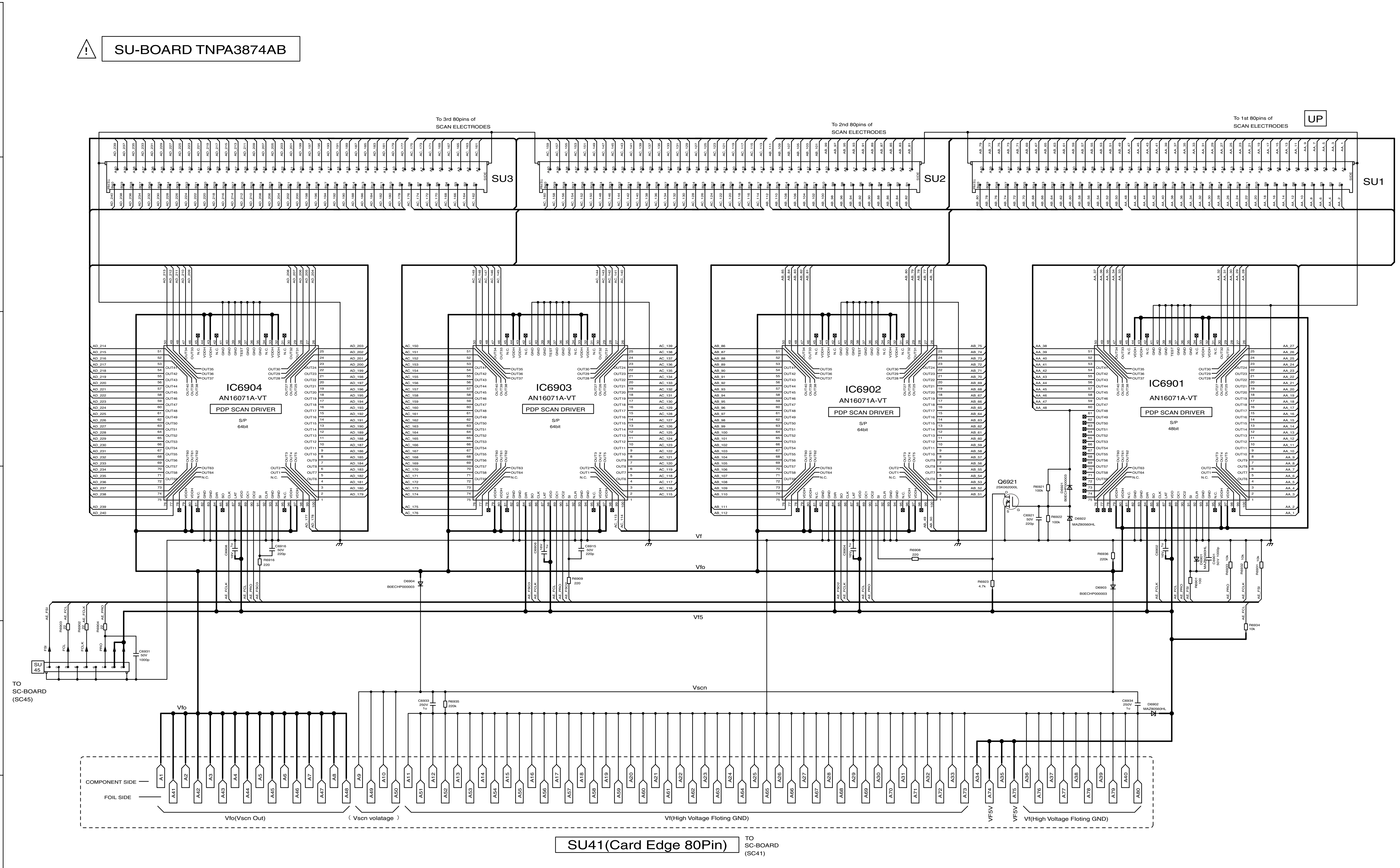
XV-BOARD TNPA3740AN (2/5)

XV-BOARD TNPA3740AN (1/5)


A
B
C
D
E
F
1
2
3
4
5
6
7
8
9
TU8001
ENV57M01D8F
DVB TUNER
IC8003
STV0360CT
COFDM DEMODULATOR
IC8864
C0DBFFD00003
AVR +1.8V
X8003
H0J241500003
IC8402
74LVC4245AD
BUFFER
IC8404
C0JBAZ002691
BUFFER
IC8405
C0ZBZ0001333
CARD 5V
IC8408
C0JBAZ002691
TS BUFFER
IC8409
C0JBAZ002691
TS BUFFER
IC8410
C0JBAZ002691
BUFFER
IC8411
C0JBAZ002691
BUFFER
Q8402
2SD0601A0L
Q8401
2SD0601A0L
LVX
INPUT
OUTPUT
3.3V
5.0V
H: 2.0V 2.4V 4.4V
L: 0.8V 0.4V 0.44V
AHCT
INPUT OUTPUT
H: 2.0V 3.8V
L: 0.8V 0.44V
3.3V
SUB5V
AS3.3V
AO_SPEN
AO_SPCLK
AO_SPDATA0
AO_SPDATA1
AO_SPDATA2
AO_SPDATA3
AO_SPDATA4
AO_SPDATA5
AO_SPDATA6
AO_SPDATA7
AO_SPPKTST
ACI_RESET
ACI_POWER
ACI_REG
ACI_XWE
ACI_IOWR
ACI_IORD
ACI_XOE
ACI_XEDBA
AA_XIRQ2
AA_XECS3
AA_ERXW
XCIETS
H:RESET
L:NORMAL
Card_5V
TP8025
TP8033
①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪
⑫
⑬

TH-37/42PD60B
XV-Board (1 of 5) Schematic Diagram

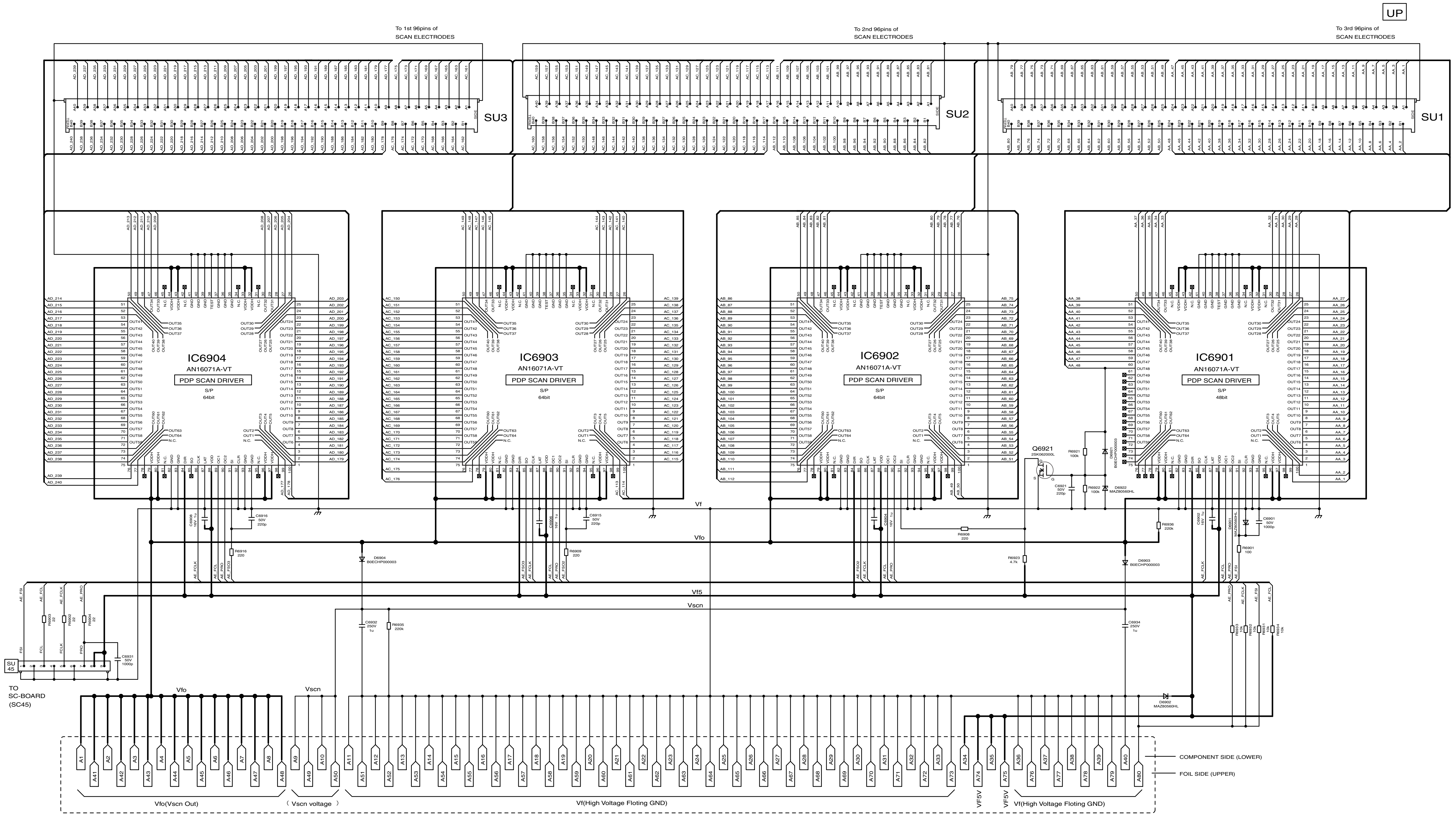
TH-37/42PD60B
XV-Board (1 of 5) Schematic Diagram


SU-BOARD TNPA3874AB
UP
To 3rd 80pins of SCAN ELECTRODES
To 2nd 80pins of SCAN ELECTRODES
To 1st 80pins of SCAN ELECTRODES
SU3
SU2
SU1
IC6904
AN16071A-VT
PDP SCAN DRIVER
S/P 64bit
IC6903
AN16071A-VT
PDP SCAN DRIVER
S/P 64bit
IC6902
AN16071A-VT
PDP SCAN DRIVER
S/P 64bit
IC6901
AN16071A-VT
PDP SCAN DRIVER
S/P 48bit
Q6921
2SK062000L
Vf
Vfo
Vf5
Vscn
D6904 B0ECHP000003
D6903 B0ECHP000003
D6902 MAZ80560HL
D6922 MAZ80560HL
C6931 50V 1000p
C6933 250V 1u
C6934 250V 1u
R6935 220k
R6908 220
R6936 220k
R6923 4.7k
R6934 10k
SU 45
TO SC-BOARD (SC45)
COMPONENT SIDE
FOIL SIDE
Vfo(Vscn Out)
（Vscn volatage）
Vf(High Voltage Floting GND)
VF5V
Vf(High Voltage Floting GND)
SU41(Card Edge 80Pin)
TO SC-BOARD (SC41)
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

TH-42PA60E, TH-42PD60B
SU-Board Schematic Diagram

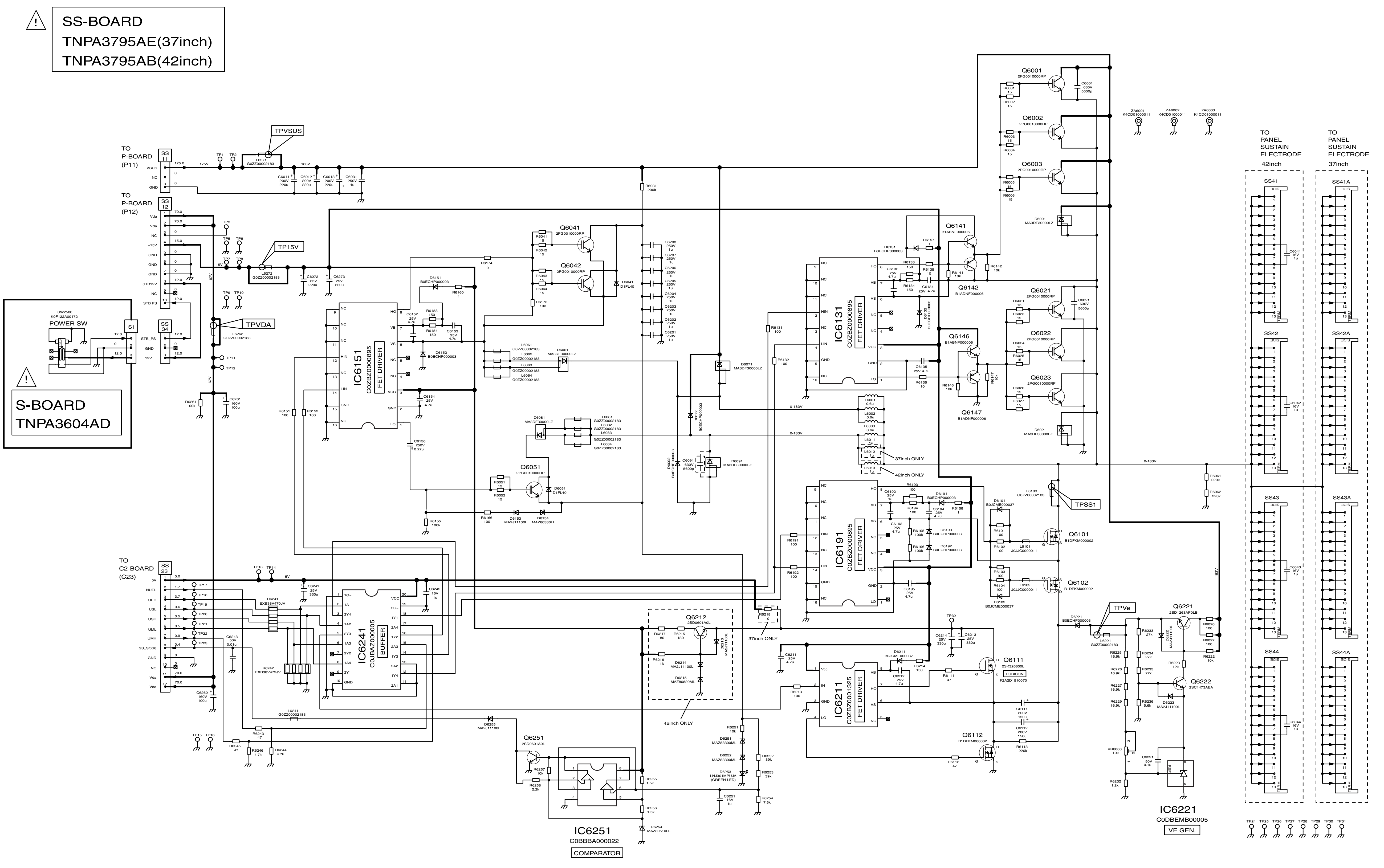
TH-42PA60E, TH-42PD60B
SU-Board Schematic Diagram

⚠ SU-BOARD TNPA3796AB


UP
To 1st 96pins of SCAN ELECTRODES
To 2nd 96pins of SCAN ELECTRODES
To 3rd 96pins of SCAN ELECTRODES
SU3
SU2
SU1
IC6904
AN16071A-VT
PDP SCAN DRIVER
S/P
64bit
IC6903
AN16071A-VT
PDP SCAN DRIVER
S/P
64bit
IC6902
AN16071A-VT
PDP SCAN DRIVER
S/P
64bit
IC6901
AN16071A-VT
PDP SCAN DRIVER
S/P
48bit
Q6921
2SK062000L
R6921 100k
D6921 B0ECHP000003
C6921 50V 220p
R6922 100k
D6922 MAZ80560HL
C6916 50V 220p
R6916 220
C6915 50V 220p
R6909 220
D6904 B0ECHP000003
D6903 B0ECHP000003
R6908 220
R6923 4.7k
R6936 220k
C6901 50V 1000p
R6901 100
C6932 250V 1u
R6935 220k
C6934 250V 1u
C6931 50V 1000p
R6903 22
R6902 22
R6904 22
D6902 MAZ80560HL
Vf
Vfo
Vf5
Vscn
AE_FSI
AE_FCL
AE_FCLK
AE_PRO
SU 45
TO SC-BOARD (SC45)
Vfo
Vscn
COMPONENT SIDE (LOWER)
FOIL SIDE (UPPER)
Vfo(Vscn Out)
(Vscn voltage)
Vf(High Voltage Floting GND)
VF5V
VF5V
Vf(High Voltage Floting GND)
A
B
C
D
E
F

SU41(Card Edge 80Pin)

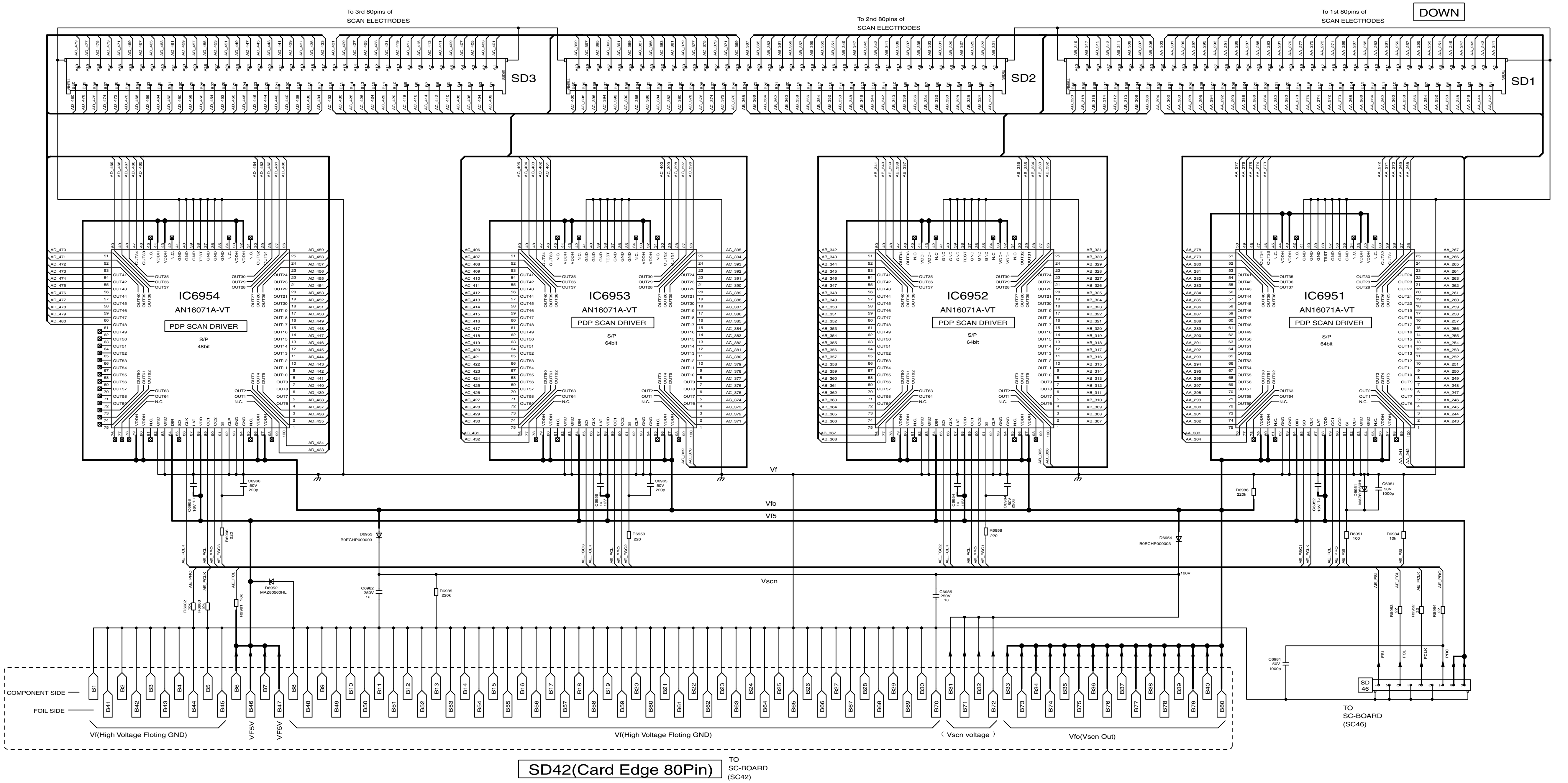
TO
SC-BOARD
(SC41)


SS-BOARD
TNPA3795AE(37inch)
TNPA3795AB(42inch)
S-BOARD
TNPA3604AD
SW2500
K0F122A00172
POWER SW
S1
TO P-BOARD (P11)
SS 11
VSUS
NC
GND
TO P-BOARD (P12)
SS 12
Vda
NC
+15V
GND
STB12V
STB PS
SS 34
STB_PS
GND
12V
TO C2-BOARD (C23)
SS 23
5V
NUEL
UEH
USL
USH
UML
UMH
SS_SOS8
TPVSUS
TP15V
TPVDA
TPSS1
TPVe
L6271
L6272
L6262
IC6151
C0ZBZ0000895
FET DRIVER
IC6131
C0ZBZ0000895
FET DRIVER
IC6191
C0ZBZ0000895
FET DRIVER
IC6211
C0ZBZ0001325
FET DRIVER
IC6241
C0JBAZ000005
BUFFER
IC6251
C0BBBA000022
COMPARATOR
IC6221
C0DBEMB00005
VE GEN.
Q6001
Q6002
Q6003
Q6021
Q6022
Q6023
Q6041
Q6042
Q6051
Q6101
Q6102
Q6111
Q6112
Q6141
Q6142
Q6146
Q6147
Q6212
Q6221
Q6222
Q6251
ZA6001
ZA6002
ZA6003
TO PANEL SUSTAIN ELECTRODE 42inch
TO PANEL SUSTAIN ELECTRODE 37inch
SS41
SS42
SS43
SS44
SS41A
SS42A
SS43A
SS44A
37inch ONLY
42inch ONLY
RUBICON
D6253
LNJ301MPUJA
(GREEN LED)
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

TH-37/42PA60E, TH-37/42PD60B
SS and S-Board Schematic Diagram

TH-37/42PA60E, TH-37/42PD60B
SS and S-Board Schematic Diagram

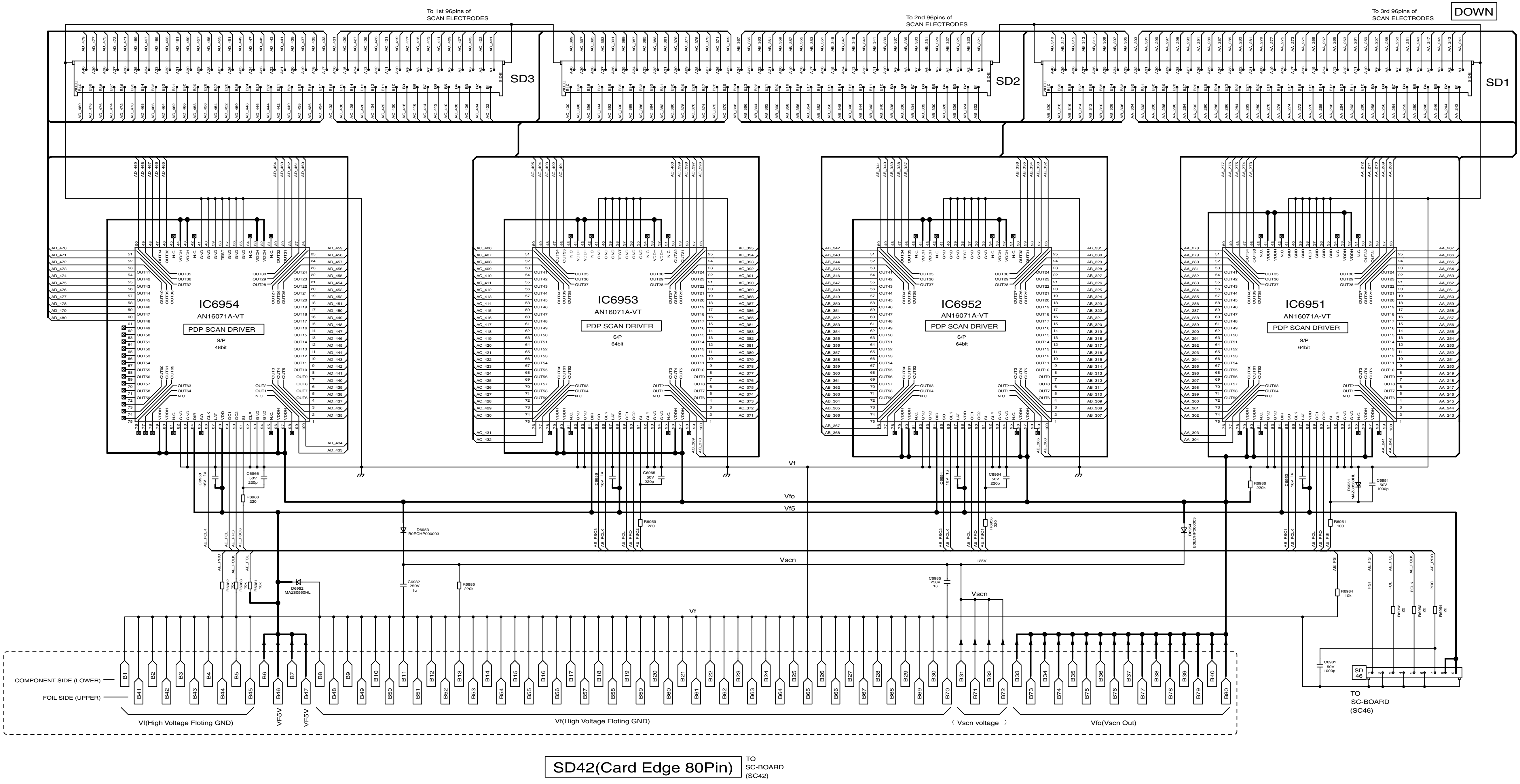
SD-BOARD TNPA3875AB


DOWN
To 3rd 80pins of SCAN ELECTRODES
To 2nd 80pins of SCAN ELECTRODES
To 1st 80pins of SCAN ELECTRODES
SD3
SD2
SD1
IC6954
AN16071A-VT
PDP SCAN DRIVER
S/P 48bit
IC6953
AN16071A-VT
PDP SCAN DRIVER
S/P 64bit
IC6952
AN16071A-VT
PDP SCAN DRIVER
S/P 64bit
IC6951
AN16071A-VT
PDP SCAN DRIVER
S/P 64bit
Vf
Vfo
Vf5
Vscn
120V
D6953 B0ECHP000003
D6954 B0ECHP000003
D6952 MAZ8056OHL
C6982 250V 1u
R6985 220k
C6985 250V 1u
C6966 50V 220p
C6965 50V 220p
C6951 50V 1000p
C6981 50V 1000p
R6959 220
R6958 220
R6951 100
R6984 10k
R6986 220k
R6981 10k
R6982
R6983
R6953 22
R6952 22
R6954 22
AE_FCLK
AE_FCL
AE_PRO
AE_FSI
AE_FSO1
AE_FSO2
AE_FSO3
COMPONENT SIDE
FOIL SIDE
Vf(High Voltage Floting GND)
VF5V
(Vscn voltage)
Vfo(Vscn Out)
SD42(Card Edge 80Pin)
TO SC-BOARD (SC42)
SD46
TO SC-BOARD (SC46)
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

TH-42PA60E, TH-42PD60B
SD-Board Schematic Diagram

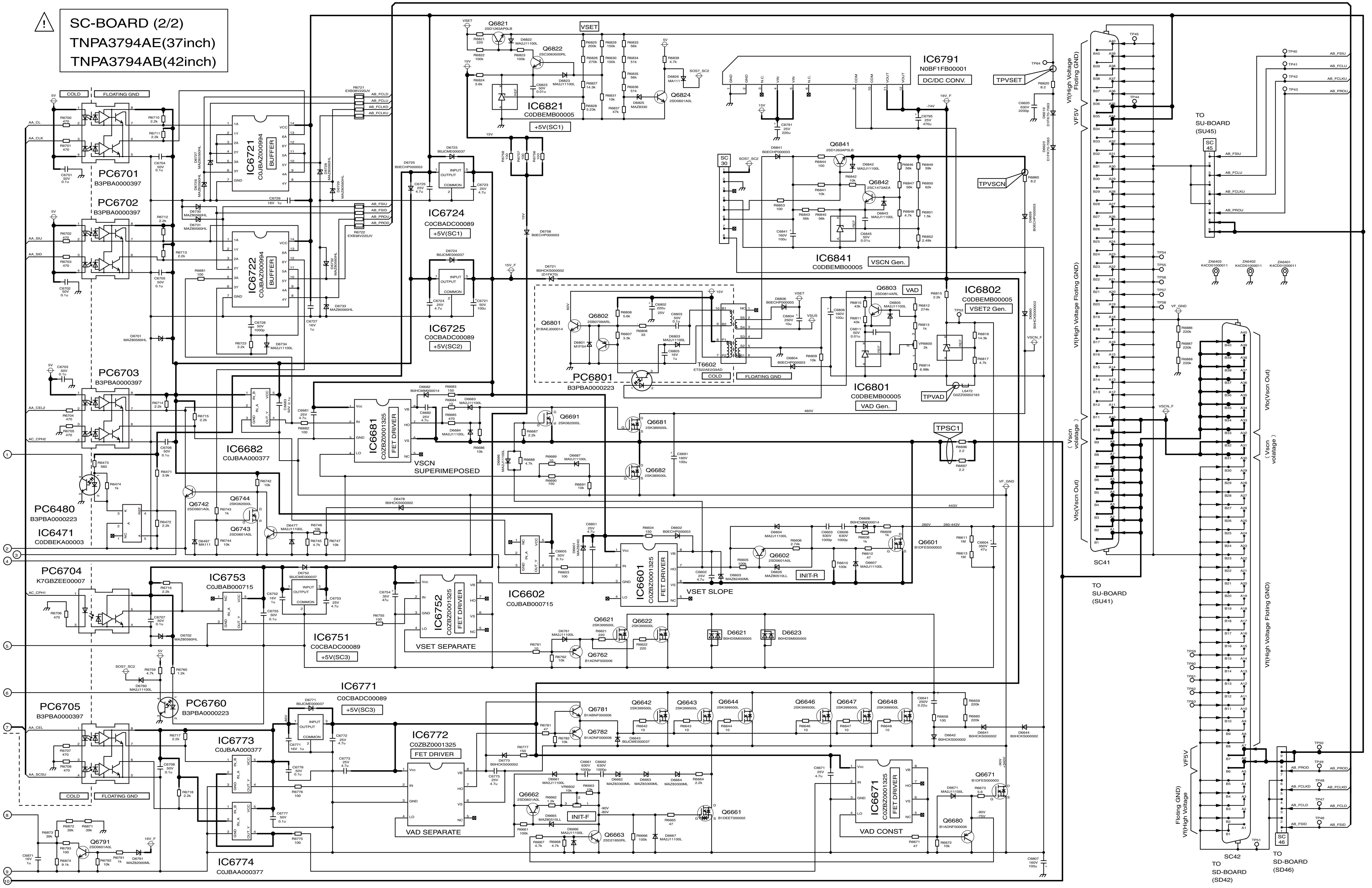
TH-42PA60E, TH-42PD60B
SD-Board Schematic Diagram

⚠ SD-BOARD TNPA3797AB


To 1st 96pins of SCAN ELECTRODES
To 2nd 96pins of SCAN ELECTRODES
To 3rd 96pins of SCAN ELECTRODES
DOWN
SD3
SD2
SD1
IC6954
AN16071A-VT
PDP SCAN DRIVER
S/P
48bit
IC6953
AN16071A-VT
PDP SCAN DRIVER
S/P
64bit
IC6952
AN16071A-VT
PDP SCAN DRIVER
S/P
64bit
IC6951
AN16071A-VT
PDP SCAN DRIVER
S/P
64bit
Vf
Vfo
Vf5
Vscn
125V
Vscn
Vf
C6958 16V 1u
C6966 50V 220p
R6966 220
C6956 16V 1u
C6965 50V 220p
R6959 220
C6954 16V 1u
C6964 50V 220p
R6958 220
C6952 16V 1u
R6986 220k
D6951 MAZ80560HL
C6951 50V 1000p
R6951 100
D6953 B0ECHP000003
D6954 B0ECHP000003
C6982 250V 1u
R6985 220k
C6985 250V 1u
D6952 MAZ80560HL
R6982 10k
R6983 10k
R6981 10k
R6984 10k
R6953 22
R6952 22
R6954 22
C6981 50V 1000p
SD46
TO SC-BOARD (SC46)
COMPONENT SIDE (LOWER)
FOIL SIDE (UPPER)
Vf(High Voltage Floting GND)
VF5V
VF5V
Vf(High Voltage Floting GND)
(Vscn voltage)
Vfo(Vscn Out)
SD42(Card Edge 80Pin)
TO SC-BOARD (SC42)

TH-37PA60E, TH-37PD60B
SD-Board Schematic Diagram

TH-37PA60E, TH-37PD60B
SD-Board Schematic Diagram

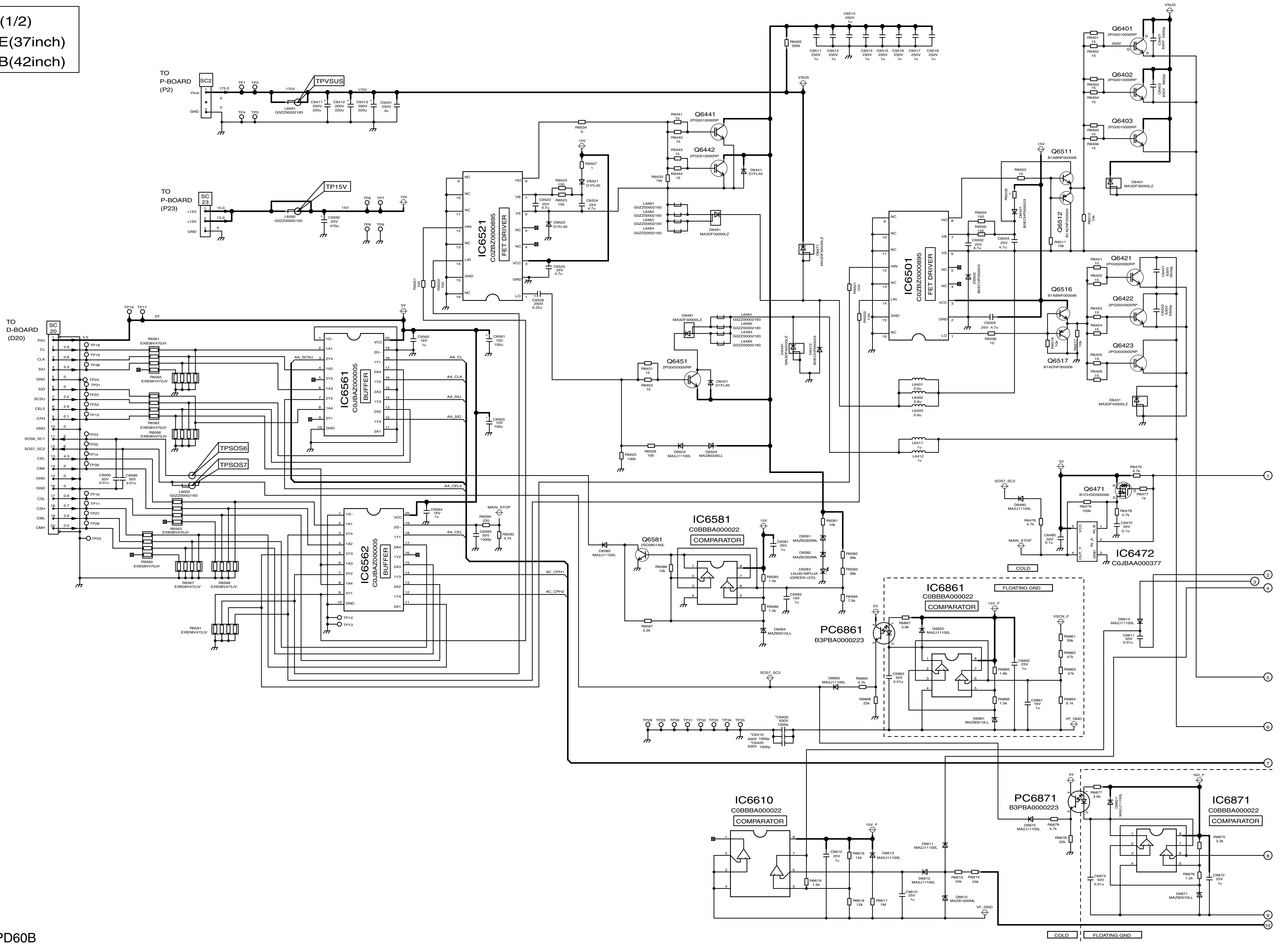

SC-BOARD (2/2)
TNPA3794AE(37inch)
TNPA3794AB(42inch)
COLD
FLOATING GND
PC6701
B3PBA0000397
PC6702
B3PBA0000397
IC6721
C0JBAZ000994
BUFFER
IC6722
C0JBAZ000994
BUFFER
PC6703
B3PBA0000397
IC6682
C0JBAA000377
PC6480
B3PBA0000223
IC6471
C0DBEKA00003
PC6704
K7GBZEE00007
IC6753
C0JBAB000715
IC6751
C0CBADC00089
+5V(SC3)
PC6760
B3PBA0000223
PC6705
B3PBA0000397
IC6773
C0JBAA000377
IC6774
C0JBAA000377
IC6771
C0CBADC00089
+5V(SC3)
IC6772
C0ZBZ0001325
FET DRIVER
VAD SEPARATE
IC6752
C0ZBZ0001325
FET DRIVER
VSET SEPARATE
IC6602
C0JBAB000715
IC6601
C0ZBZ0001325
FET DRIVER
VSET SLOPE
INIT-R
INIT-F
IC6681
C0ZBZ0001325
FET DRIVER
VSCN
SUPERIMEPOSED
IC6724
C0CBADC00089
+5V(SC1)
IC6725
C0CBADC00089
+5V(SC2)
IC6821
C0DBEMB00005
+5V(SC1)
VSET
IC6791
N0BF1FB00001
DC/DC CONV.
TPVSET
TPVSCN
IC6841
C0DBEMB00005
VSCN Gen.
PC6801
B3PBA0000223
T6602
ETS22AE2G9AD
COLD
FLOATING GND
VAD
IC6802
C0DBEMB00005
VSET2 Gen.
IC6801
C0DBEMB00005
VAD Gen.
TPVAD
TPSC1
IC6671
C0ZBZ0001325
FET DRIVER
VAD CONST
Q6601
Q6602
Q6621
Q6622
Q6642
Q6643
Q6644
Q6646
Q6647
Q6648
Q6661
Q6662
Q6663
Q6671
Q6680
Q6681
Q6682
Q6691
Q6742
Q6743
Q6744
Q6762
Q6781
Q6782
Q6791
Q6801
Q6802
Q6803
Q6821
Q6822
Q6824
Q6841
Q6842
D6621
D6623
SC30
SC41
SC42
SC45
SC46
TO
SU-BOARD
(SU45)
TO
SU-BOARD
(SU41)
TO
SD-BOARD
(SD42)
TO
SD-BOARD
(SD46)
VF5V
Vf(High Voltage Floting GND)
Vfo(Vscn Out)
(Vscn voltage)
Floting GND)
Vf(High Voltage
AB_FSIU
AB_FCLU
AB_FCLKU
AB_PROU
AB_PROD
AB_FCLKD
AB_FCLD
AB_FSID
AA_CL
AA_CLK
AA_SIU
AA_SID
AA_CEL2
AC_CPH2
AC_CPH1
AA_CEL
AA_SCSU
1
2
3
4
5
6
7
8
9
10

TH-37/42PA60E, TH-37/42PD60B
SC-Board (2 of 2) Schematic Diagram

TH-37/42PA60E,TH-37/42PD60B
SC-Board (2 of 2) Schematic Diagram

10 11 12 13 14 15 16 17 18

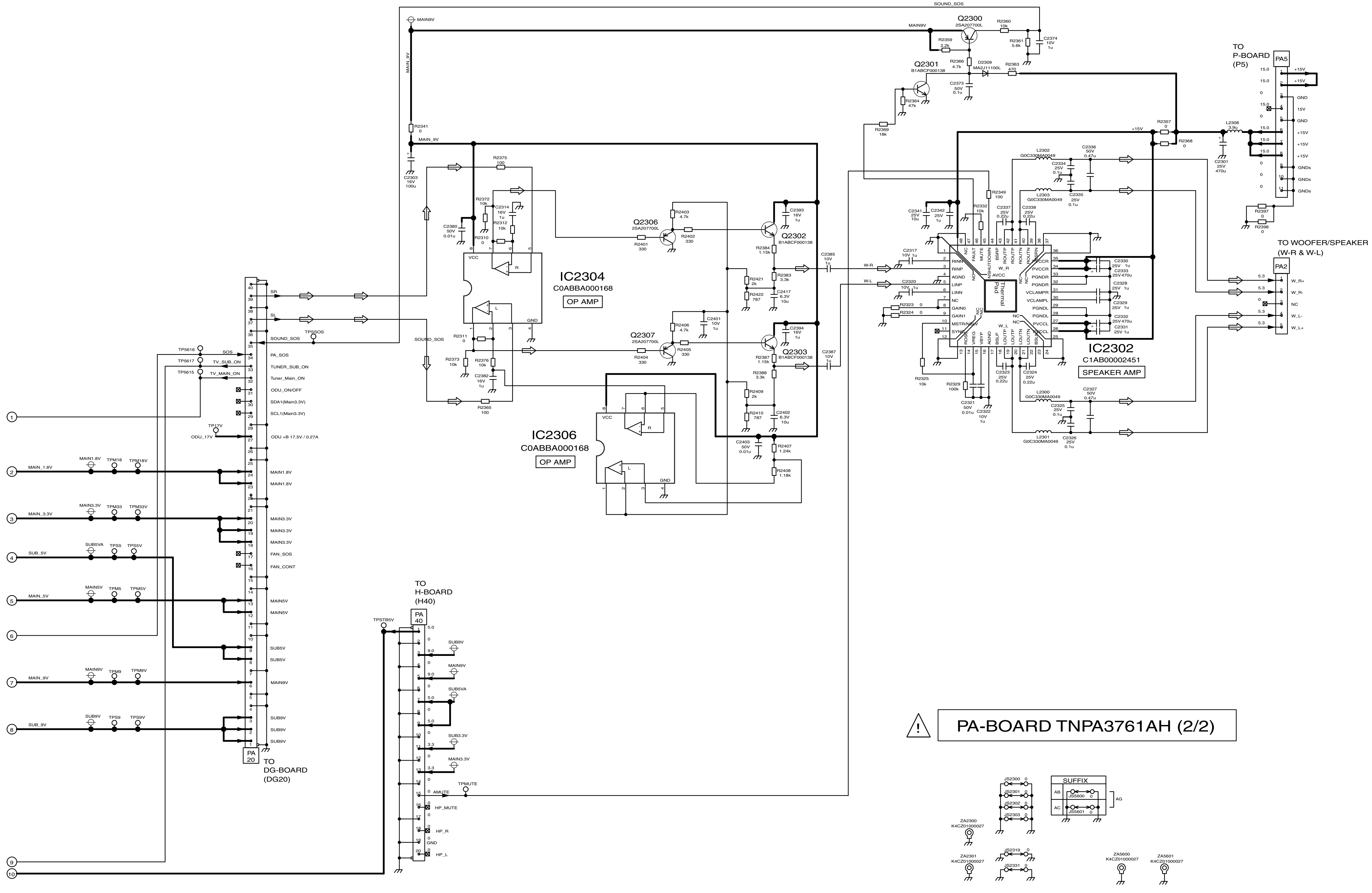
⚠ SC-BOARD (1/2)
TNPA3794AE(37inch)
TNPA3794AB(42inch)



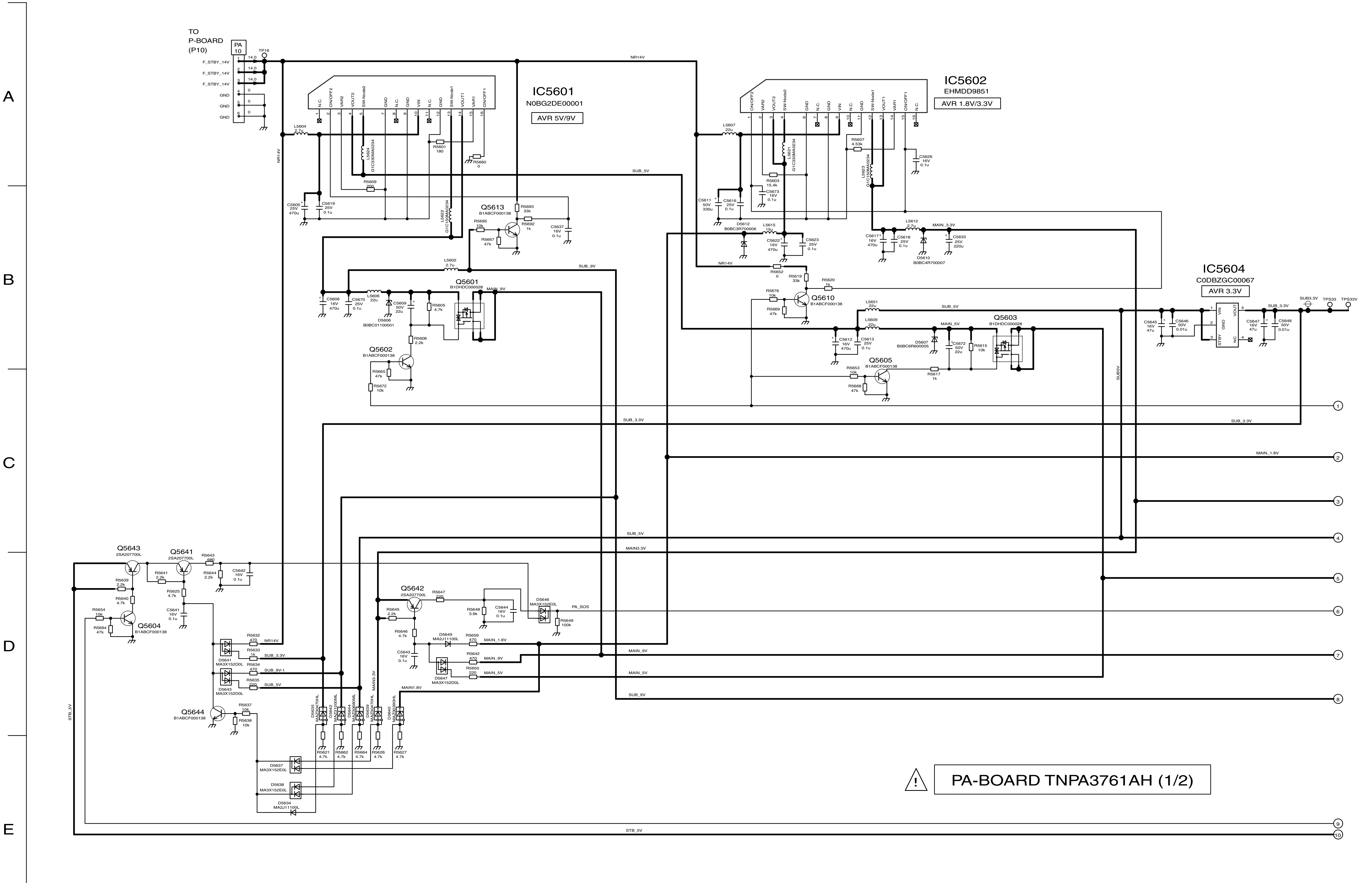
TO P-BOARD (P2)
SC2
Vsus
GND
TPVSUS
L6591 G0ZZ00002183
C6411 200V 220u
C6412 200V 220u
C6413 200V 220u
C6431 250V 4u
TO P-BOARD (P23)
SC23
+15V
TP15V
L6592 G0ZZ00002183
C6592 25V 470u
15V
TO D-BOARD (D20)
SC20
P5V
CL
CLK
SIU
GND
SID
SCSU
CEL2
CPH
SOS6_SC1
SOS7_SC2
CEL
CBK
CSL
CSH
CML
CMH
TPSOS6
TPSOS7
L6602 G0ZZ00002183
IC6561
C0JBAZ000005
BUFFER
IC6562
C0JBAZ000005
BUFFER
AA_SCSU
AA_CL
AA_CLK
AA_SIU
AA_SID
AA_CEL2
AA_CEL
AC_CPH1
AC_CPH2
MAIN_STOP
IC6521
C0ZBZ0000895
FET DRIVER
IC6501
C0ZBZ0000895
FET DRIVER
Q6441 2PG0010000RP
Q6442 2PG0010000RP
Q6451 2PG0020000RP
Q6401 2PG0010000RP
Q6402 2PG0010000RP
Q6403 2PG0010000RP
Q6421 2PG0020000RP
Q6422 2PG0020000RP
Q6423 2PG0020000RP
Q6511 B1ABNF000006
Q6512 B1ADNF000006
Q6516 B1ABNF000006
Q6517 B1ADNF000006
D6401 MA3DF30000LZ
D6431 MA3DF40000LZ
D6461 MA3DF30000LZ
D6481 MA3DF30000LZ
D6471 MA3DF30000LZ
L6401
L6402
L6403
L6411
L6412
VSUS
C6513 250V 1u
R6465 200k
IC6581
C0BBBA000022
COMPARATOR
Q6581 2SD0601A0L
D6585 MA2J11100L
D6581 MAZ83300ML
D6582 MAZ83300ML
D6583 LNJ301MPUJA (GREEN LED)
D6584 MAZ80510LL
Q6471 B1CHGD000006
IC6472
C0JBAA000377
SOS7_SC2
COLD
IC6861
C0BBBA000022
COMPARATOR
FLOATING GND
PC6861
B3PBA0000223
15V_F
VSCN_F
VF_GND
D6861 MAZ80510LL
D6862 MA2J11100L
TP28 TP29 TP30 TP31 TP32 TP33 TP34 TP35
C6400 630V 1000p
C6410 630V 1000p
C6420 630V 1000p
IC6610
C0BBBA000022
COMPARATOR
D6610 MAZ81500ML
D6611 MA2J11100L
D6612 MA2J11100L
D6613 MA2J11100L
D6614 MA2J11100L
PC6871
B3PBA0000223
IC6871
C0BBBA000022
COMPARATOR
16V_F
D6871 MAZ80510LL
D6872 MA2J11100L
COLD
FLOATING GND
1
2
3
4
5
6
7
8
9
10

TH-37/42PA60E, TH-37/42PD60B
SC-Board (1 of 2) Schematic Diagram

TH-37/42PA60E, TH-37/42PD60B SC-Board (1 of 2) Schematic Diagram


PA-BOARD TNPA3761AH (2/2)
IC2304
C0ABBA000168
OP AMP
IC2306
C0ABBA000168
OP AMP
IC2302
C1AB00002451
SPEAKER AMP
Q2300
2SA2077O0L
Q2301
B1ABCF000138
Q2302
B1ABCF000138
Q2303
B1ABCF000138
Q2306
2SA2077O0L
Q2307
2SA2077O0L
TO P-BOARD (P5)
PA5
TO WOOFER/SPEAKER (W-R & W-L)
PA2
W_R+
W_R-
NC
W_L-
W_L+
TO DG-BOARD (DG20)
PA 20
TO H-BOARD (H40)
PA 40
MAIN9V
SOUND_SOS
SOS
TV_SUB_ON
TV_MAIN_ON
PA_SOS
TUNER_SUB_ON
Tuner_Main_ON
ODU_ON/OFF
SDA1(Main3.3V)
SCL1(Main3.3V)
ODU +B 17.5V / 0.27A
MAIN1.8V
MAIN3.3V
FAN_SOS
FAN_CONT
MAIN5V
SUB5V
SUB9V
MAIN_1.8V
MAIN_3.3V
SUB_5V
MAIN_5V
MAIN_9V
SUB_9V
AMUTE
HP_MUTE
HP_R
HP_L
GND
TPMUTE
Thermal Pad
SUFFIX
AB
AC
AG
JS5600
JS5601
ZA2300
ZA2301
ZA5600
ZA5601
K4CZ01000027

TH-37/42PA60E, TH-37/42PD60B
PA-Board (2 of 2) Schematic Diagram

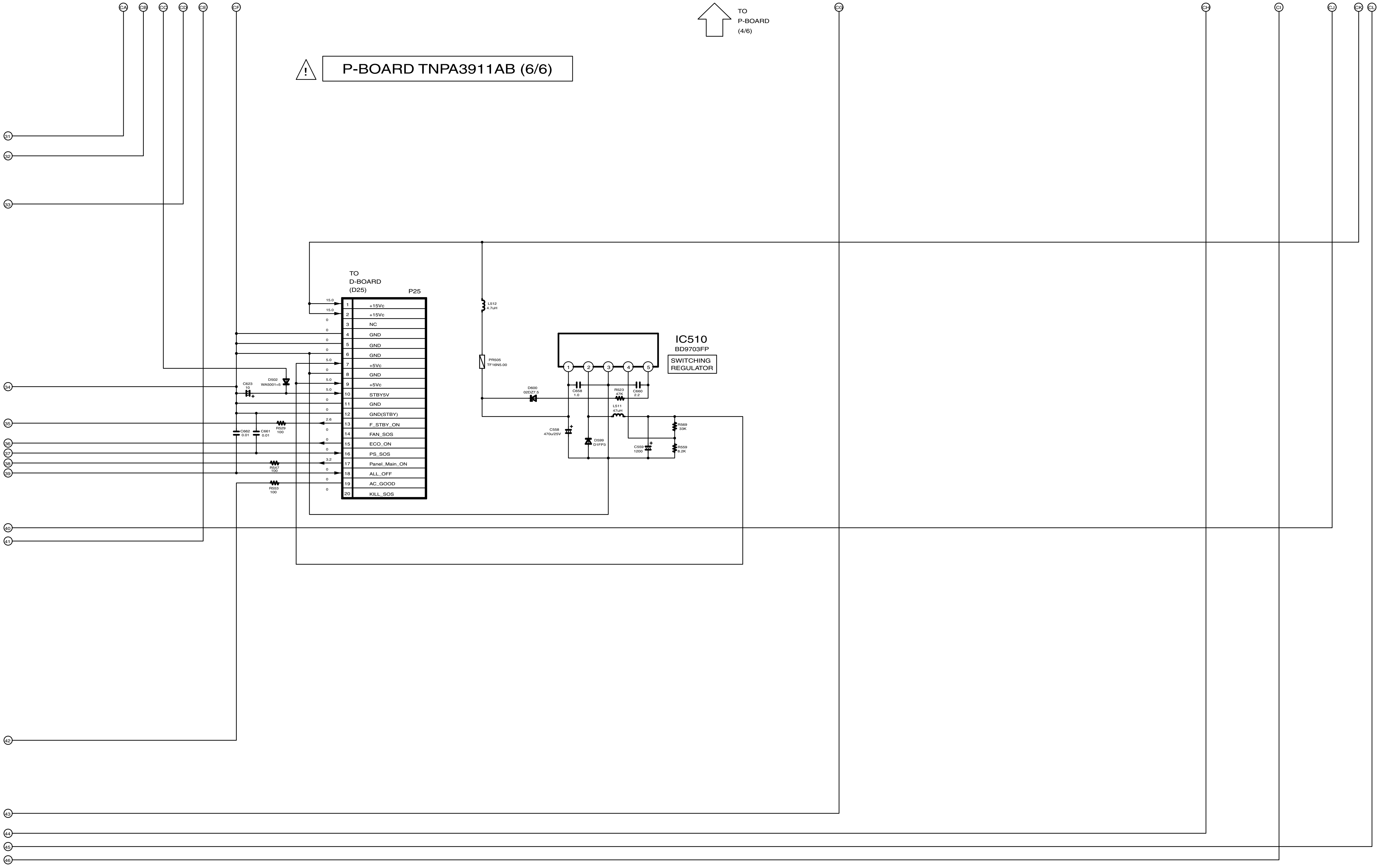

TO P-BOARD (P10)
PA10
F_STBY_14V
GND
TP16
NR14V
SUB_5V
SUB_9V
MAIN_9V
MAIN_5V
MAIN_3.3V
MAIN_1.8V
SUB_3.3V
MAIN3.3V
SUB_9V-1
MAIN1.8V
PA_SOS
STB_5V
IC5601
N0BG2DE00001
AVR 5V/9V
IC5602
EHMDD9851
AVR 1.8V/3.3V
IC5604
C0DBZGC00067
AVR 3.3V
Q5601 B1DHDC000028
Q5602 B1ABCF000138
Q5603 B1DHDC000028
Q5604 B1ABCF000138
Q5605 B1ABCF000138
Q5610 B1ABCF000138
Q5613 B1ABCF000138
Q5641 2SA207700L
Q5642 2SA207700L
Q5643 2SA207700L
Q5644 B1ABCF000138
SUB3.3V
TPS33
TPS33V
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩
A
B
C
D
E
1
2
3
4
5
6
7
8

⚠ PA-BOARD TNPA3761AH (1/2)

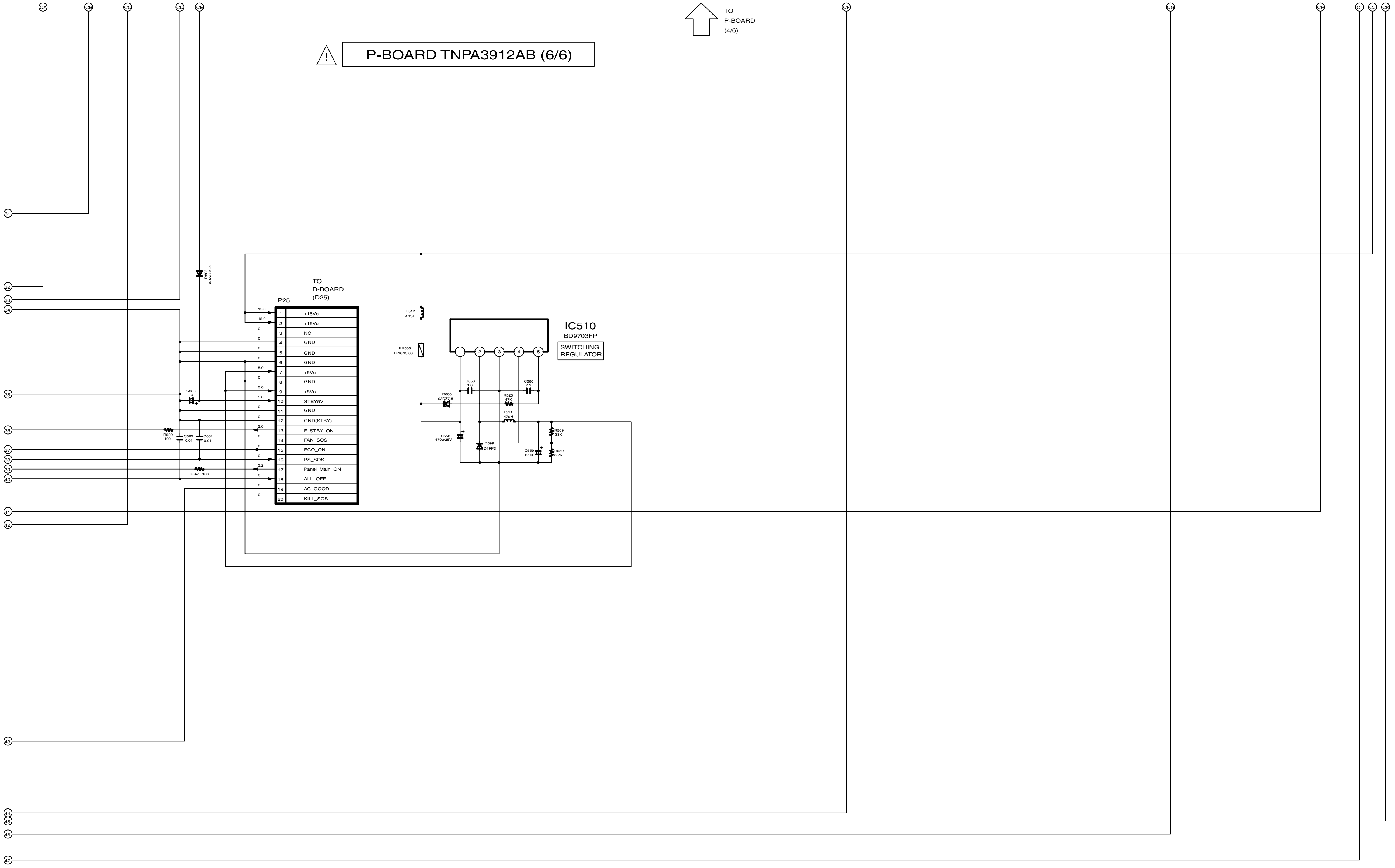
TH-37/42PA60E, TH-37/42PD60B
PA-Board (1 of 2) Schematic Diagram

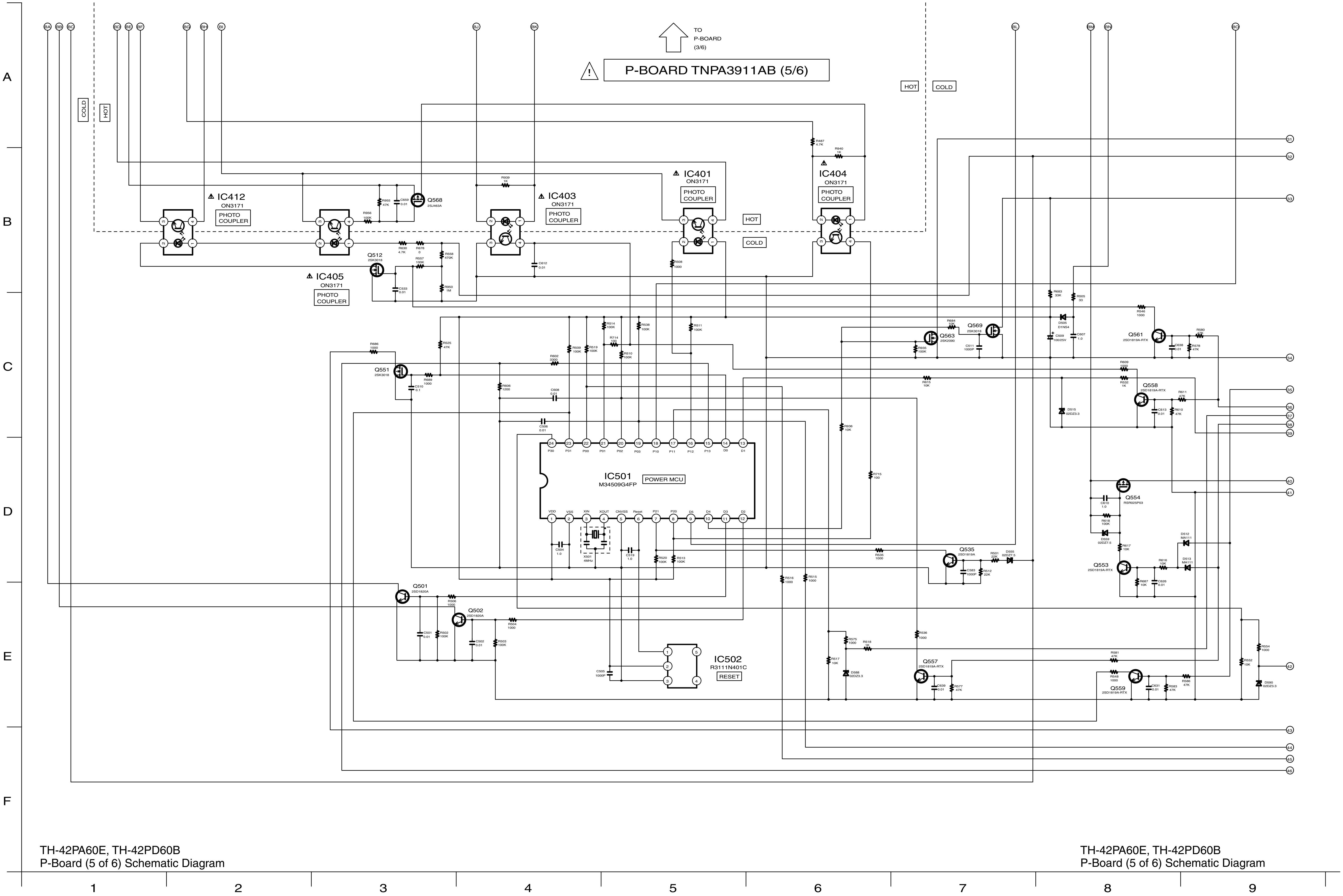
TH-37/42PA60E, TH-37/42PD60B
PA-Board (1 of 2) Schematic Diagram

P-BOARD TNPA3911AB (6/6)


CA
CB
CC
CD
CE
CF
TO
P-BOARD
(4/6)
CG
CH
CI
CJ
CK
CL
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
TO
D-BOARD
(D25)
P25
15.0
15.0
0
0
0
0
5.0
0
5.0
5.0
0
0
2.6
0
0
0
3.2
0
0
0
1 +15Vc
2 +15Vc
3 NC
4 GND
5 GND
6 GND
7 +5Vc
8 GND
9 +5Vc
10 STBY5V
11 GND
12 GND(STBY)
13 F_STBY_ON
14 FAN_SOS
15 ECO_ON
16 PS_SOS
17 Panel_Main_ON
18 ALL_OFF
19 AC_GOOD
20 KILL_SOS
C623 10
D502 WA5001=5
C662 0.01
C661 0.01
R529 100
R547 100
R553 100
L512 4.7uH
PR505 TF16N5.00
D600 02DZ7.5
IC510
BD9703FP
SWITCHING REGULATOR
1
2
3
4
5
C658 1.0
R523 47K
C660 2.2
L511 47uH
C558 470u/25V
D599 D1FP3
C559 1200
R569 33K
R559 8.2K

P-BOARD TNPA3912AB (6/6)

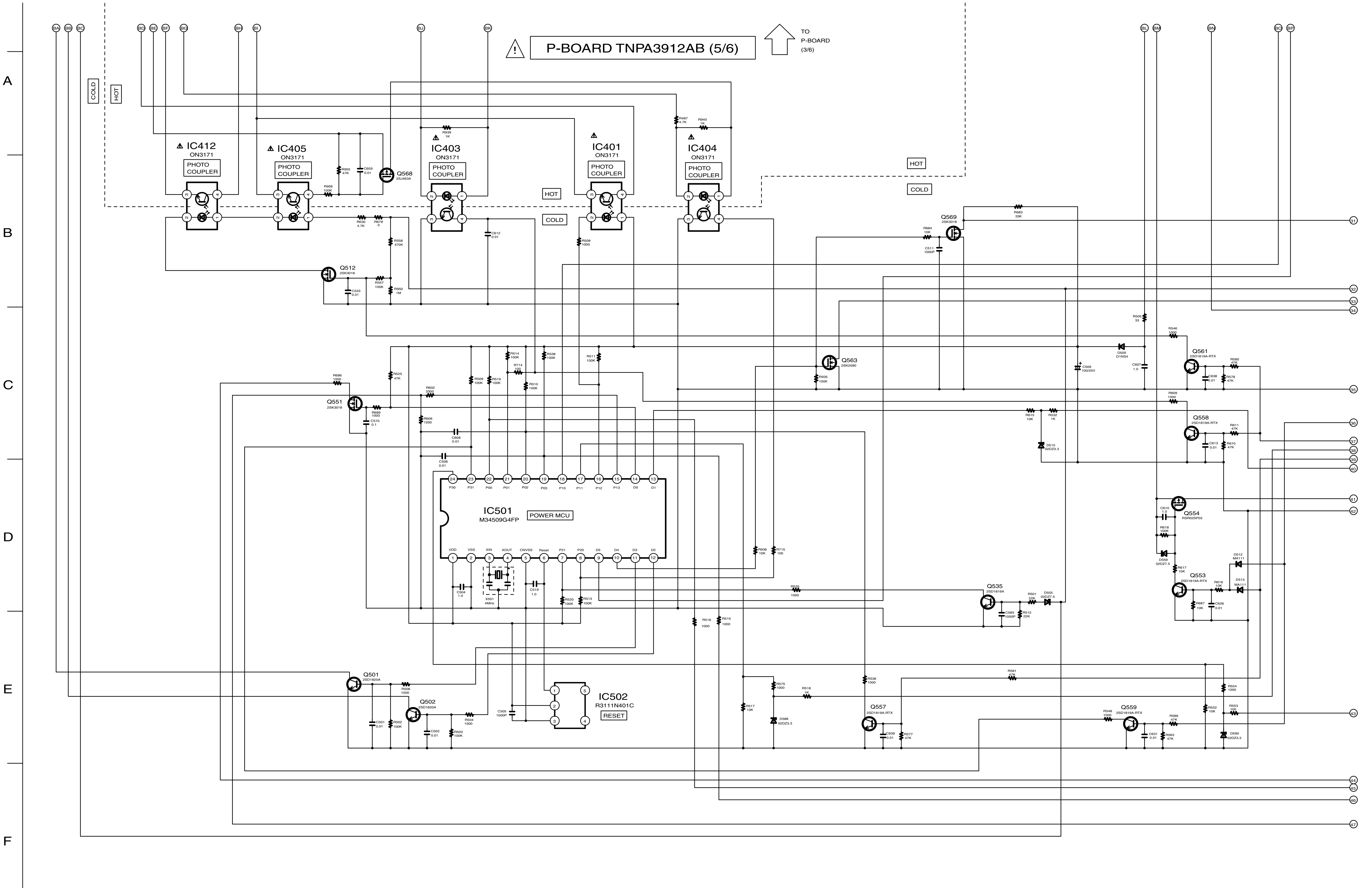

CA
CB
CC
CD
CE
TO
P-BOARD
(4/6)
CF
CG
CH
CI
CJ
CK
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
D502
WA5001=5
TO
D-BOARD
(D25)
P25
15.0
1 +15Vc
15.0
2 +15Vc
0
3 NC
0
4 GND
0
5 GND
0
6 GND
5.0
7 +5Vc
0
8 GND
5.0
9 +5Vc
5.0
10 STBY5V
0
11 GND
0
12 GND(STBY)
2.6
13 F_STBY_ON
0
14 FAN_SOS
0
15 ECO_ON
0
16 PS_SOS
3.2
17 Panel_Main_ON
0
18 ALL_OFF
0
19 AC_GOOD
0
20 KILL_SOS
C623
10
R529
100
C662
0.01
C661
0.01
R547 100
L512
4.7uH
PR505
TF16N5.00
IC510
BD9703FP
SWITCHING
REGULATOR
1
2
3
4
5
C658
1.0
C660
2.2
D600
02DZ7.5
R523
47K
L511
47uH
C558
470u/25V
D599
D1FP3
R569
33K
C559
1200
R559
8.2K



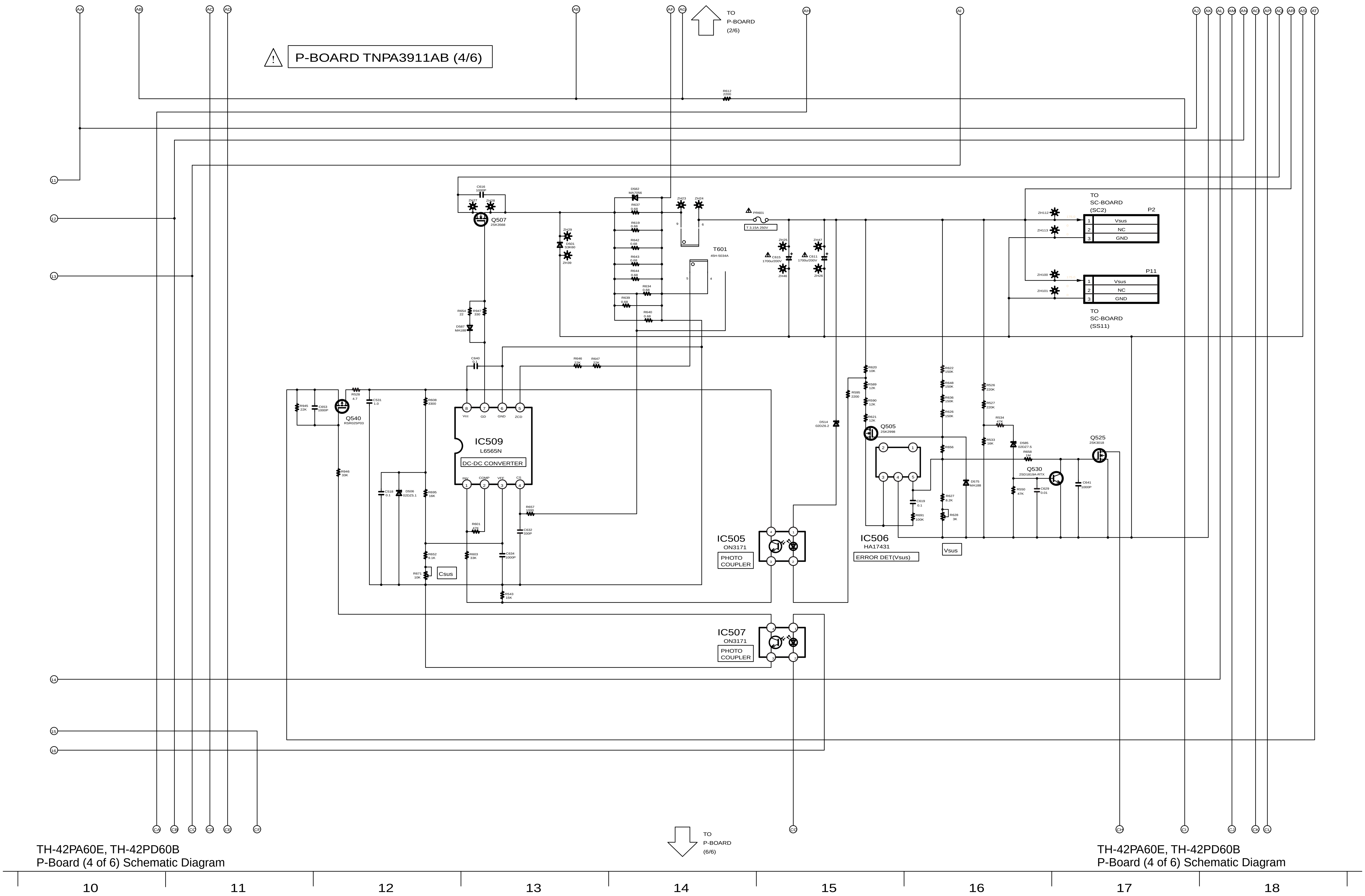
TO P-BOARD (3/6)
P-BOARD TNPA3911AB (5/6)
COLD
HOT
IC412 ON3171 PHOTO COUPLER
IC403 ON3171 PHOTO COUPLER
IC401 ON3171 PHOTO COUPLER
IC404 ON3171 PHOTO COUPLER
IC405 ON3171 PHOTO COUPLER
Q568 2SJ463A
Q512 2SK3018
Q551 2SK3018
Q563 2SK2090
Q569 2SK3018
Q561 2SD1819A-RTX
Q558 2SD1819A-RTX
Q554 RSR025P03
Q553 2SD1819A-RTX
Q535 2SD1819A
Q557 2SD1819A-RTX
Q559 2SD1819A-RTX
Q501 2SD1820A
Q502 2SD1820A
IC501 M34509G4FP POWER MCU
P30 P31 P00 P01 P02 P03 P10 P11 P12 P13 D0 D1
VDD VSS XIN XOUT CNVSS Reset P21 P20 D5 D4 D3 D2
X501 4MHz
IC502 R3111N401C RESET
BA BB BC BD BE BF BG BH BI BJ BK BL BM BN BO
31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46
A B C D E F
1 2 3 4 5 6 7 8 9

TH-42PA60E, TH-42PD60B
P-Board (5 of 6) Schematic Diagram

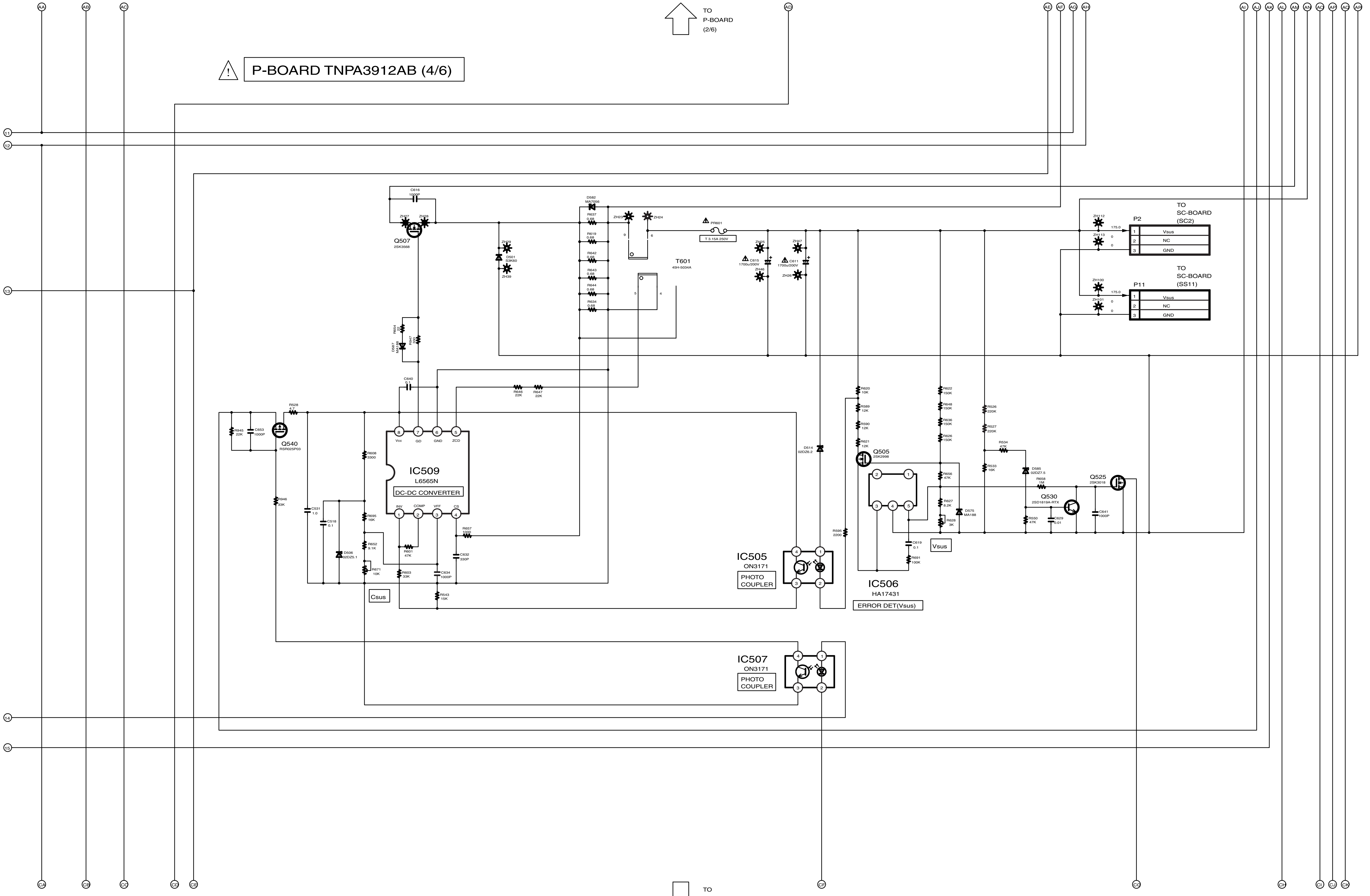
TH-42PA60E, TH-42PD60B
P-Board (5 of 6) Schematic Diagram


P-BOARD TNPA3912AB (5/6)
TO P-BOARD (3/6)
COLD
HOT
IC412 ON3171 PHOTO COUPLER
IC405 ON3171 PHOTO COUPLER
IC403 ON3171 PHOTO COUPLER
IC401 ON3171 PHOTO COUPLER
IC404 ON3171 PHOTO COUPLER
Q568 2SJ463A
Q512 2SK3018
Q569 2SK3018
Q563 2SK2090
Q551 2SK3018
Q561 2SD1819A-RTX
Q558 2SD1819A-RTX
Q554 RSR025P03
Q553 2SD1819A-RTX
Q535 2SD1819A
Q501 2SD1820A
Q502 2SD1820A
Q557 2SD1819A-RTX
Q559 2SD1819A-RTX
IC501 M34509G4FP POWER MCU
VDD VSS XIN XOUT CNVSS Reset P21 P20 D5 D4 D3 D2
P30 P31 P00 P01 P02 P03 P10 P11 P12 P13 D0 D1
X501 4MHz
IC502 R3111N401C RESET
D505 D1NS4
D515 02DZ3.3
D555 02DZ7.5
D559 02DZ7.5
D512 MA111
D513 MA111
D588 02DZ3.3
D590 02DZ3.3
C509 100/25V
BA BB BC BD BE BF BG BH BI BJ BK BL BM BN BO BP
31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47
A B C D E F
1 2 3 4 5 6 7 8 9

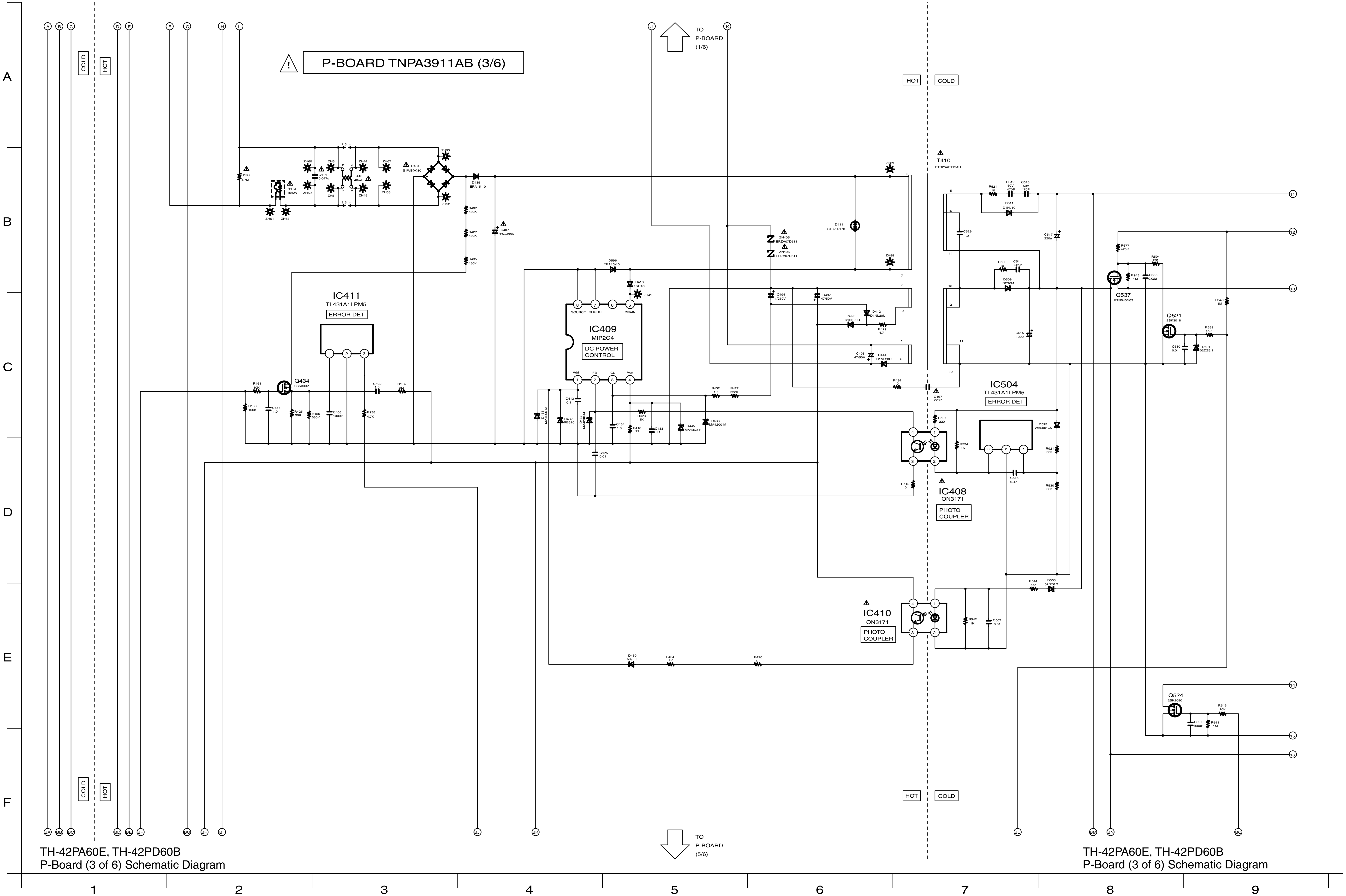
P-BOARD TNPA3911AB (4/6)


AA
AB
AC
AD
AE
AF
AG
AH
AI
AJ
AK
AL
AM
AN
AO
AP
AQ
AR
AS
AT
TO P-BOARD (2/6)
R612 2200
C616 1000P
ZH27
ZH28
Q507 2SK3568
D582 MA7056
R637 0.68
R619 0.68
R642 0.68
R643 0.68
R644 0.68
R634 0.68
R639 0.68
R640 0.68
ZH29
D501 S3K60
ZH39
ZH23
ZH24
T601 45H-5034A
PR601
T 3.15A 250V
ZH25
C615 1700u/200V
ZH46
ZH47
C611 1700u/200V
ZH26
TO SC-BOARD (SC2)
P2
ZH112
ZH113
1 Vsus
2 NC
3 GND
P11
ZH100
ZH101
TO SC-BOARD (SS11)
R654 22
R947 330
D587 MA188
C640 0.1
R646 22K
R647 22K
R528 4.7
R945 22K
C653 1000P
C531 1.0
Q540 RSR025P03
R608 3300
IC509
L6565N
DC-DC CONVERTER
Vcc
GD
GND
ZCD
INV
COMP
VFF
CS
R946 33K
C518 0.1
D506 02DZ5.1
R695 16K
R657 1000
R601 47K
C632 330P
R652 9.1K
R603 33K
C634 1000P
R671 10K
Csus
R543 15K
R620 10K
R595 2200
R589 12K
R590 12K
R621 12K
D514 02DZ6.2
Q505 2SK2998
R622 150K
R648 150K
R636 150K
R626 150K
R656
C619 0.1
R691 100K
R627 8.2K
R628 3K
R526 220K
R527 220K
R534 47K
R533 16K
D585 02DZ7.5
R658 1M
D575 MA188
Q530 2SD1819A-RTX
R550 47K
C629 0.01
C641 1000P
Q525 2SK3018
IC505
ON3171
PHOTO COUPLER
IC506
HA17431
ERROR DET(Vsus)
Vsus
IC507
ON3171
PHOTO COUPLER
11
12
13
14
15
16
CA
CB
CC
CD
CE
CF
CG
CH
CI
CJ
CK
CL
TO P-BOARD (6/6)
10
11
12
13
14
15
16
17
18

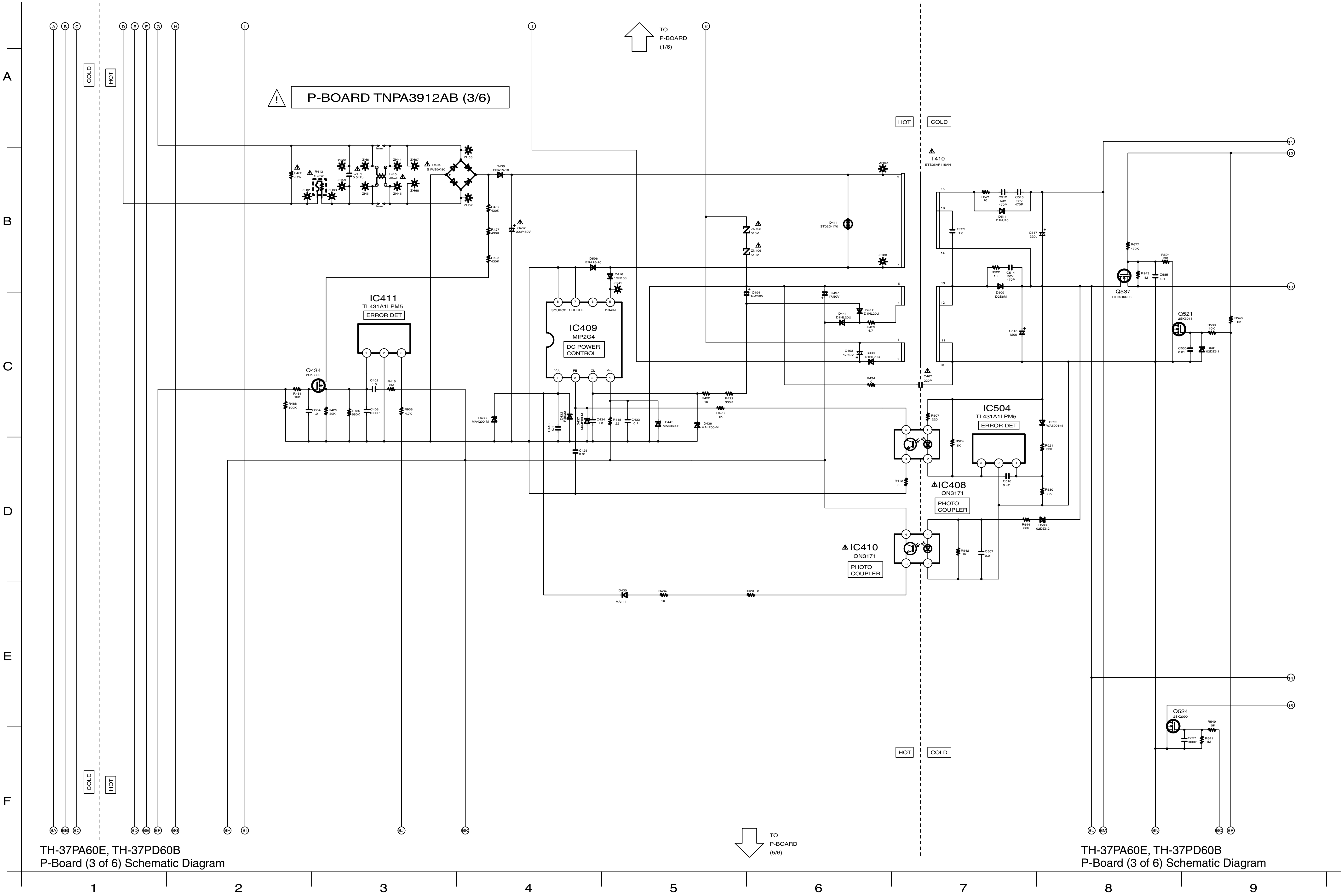
TH-42PA60E, TH-42PD60B
P-Board (4 of 6) Schematic Diagram


P-BOARD TNPA3912AB (4/6)
TO P-BOARD (2/6)
TO P-BOARD (6/6)
TO SC-BOARD (SC2)
TO SC-BOARD (SS11)
P2
P11
Vsus
NC
GND
Q507
2SK3568
C616
1000P
D582
MA7056
PR601
T 3.15A 250V
T601
C615
1700u/200V
C611
1700u/200V
D501
S3K60
Q540
RSR025P03
IC509
L6565N
DC-DC CONVERTER
Vcc
GD
GND
ZCD
INV
COMP
VFF
CS
C640
R645
22K
R647
22K
Csus
IC505
ON3171
PHOTO COUPLER
IC507
ON3171
PHOTO COUPLER
IC506
HA17431
ERROR DET(Vsus)
Q505
2SK2998
Q525
2SK3018
Q530
2SD1819A-RTX
D514
02DZ6.2
D585
02DZ7.5
D575
MA188
D506
02DZ5.1
Vsus
175.0

TH-37PA60E, TH-37PD60B
P-Board (4 of 6) Schematic Diagram

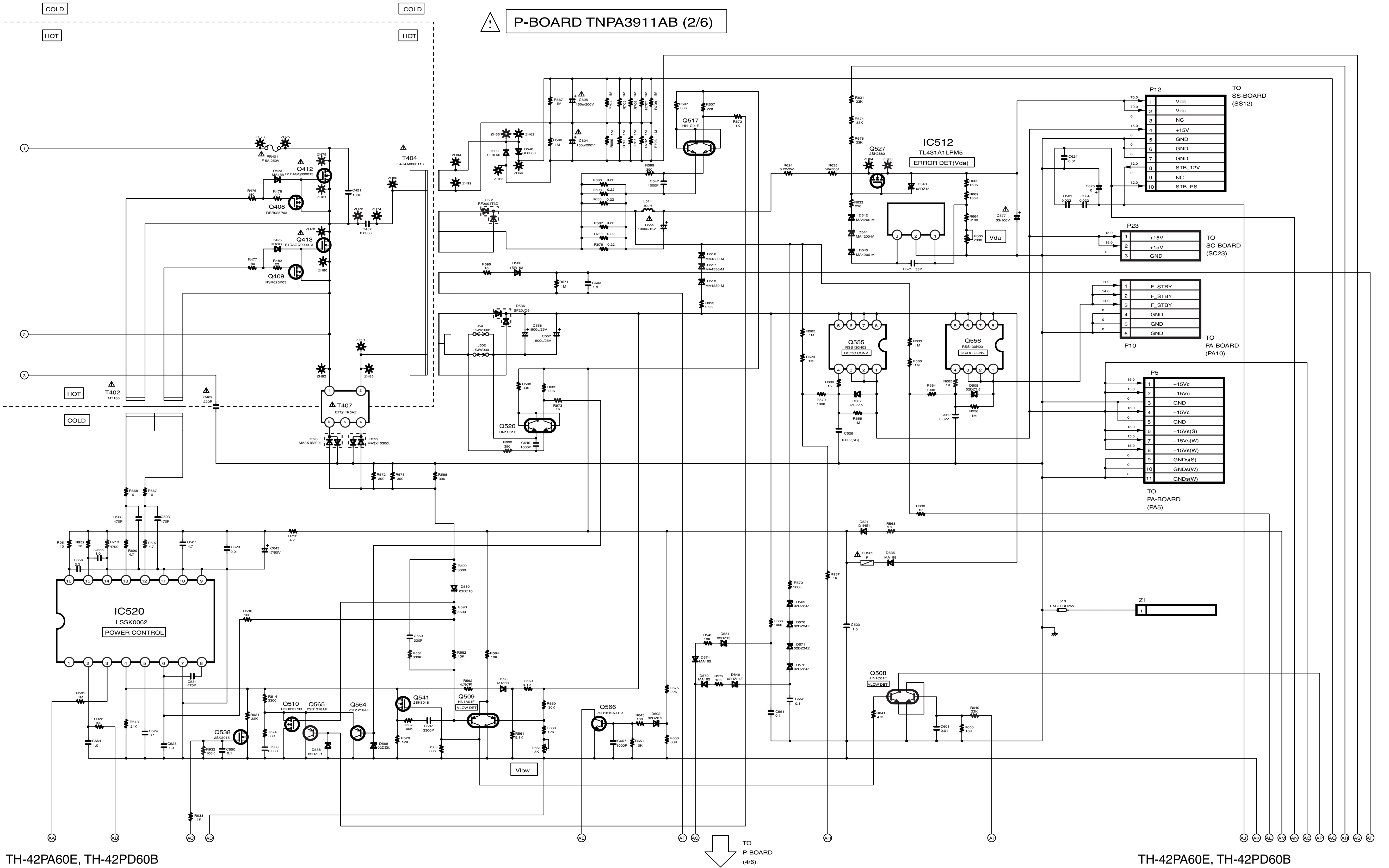

P-BOARD TNPA3911AB (3/6)
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9
A
B
C
D
E
F
G
H
I
J
K
TO
P-BOARD
(1/6)
TO
P-BOARD
(5/6)
COLD
HOT
COLD
HOT
HOT
COLD
HOT
COLD
R483
4.7M
R413
10/5W
ZH61
ZH63
ZH60
ZH59
C414
0.047u
ZH6
ZH5
2.5mm
2.5mm
L410
40mH
ZH44
ZH45
ZH67
ZH68
D404
S1WB(A)80
ZH53
ZH52
D435
ERA15-10
R407
430K
R427
430K
R435
430K
C407
22u/450V
IC411
TL431A1LPM5
ERROR DET
Q434
2SK3302
R461
10K
R488
100K
C654
1.0
R425
39K
R459
680K
C408
1000P
R938
4.7K
C402
1.0
R416
3M
D596
ERA15-10
D416
1SR153
ZH41
IC409
MIP2G4
DC POWER
CONTROL
SOURCE
SOURCE
DRAIN
Vdd
FB
CL
Vcc
C413
0.1
D438
MA4200-M
D432
RB520
D437
MA4200-M
C434
1.0
R418
22
R423
1K
C433
0.1
D445
MA4360-H
D436
MA4200-M
C425
0.01
R432
1K
R422
330K
ZN405
ERZV07D511
ZN406
ERZV07D511
C494
1/250V
C497
47/50V
D441
D1NL20U
D412
D1NL20U
R429
4.7
C493
47/50V
D444
D1NL20U
D411
ST02D-170
ZH89
ZH88
R434
0
C467
220P
T410
ETS25AF115AH
R521
10
C512
50V
470P
C513
50V
470P
D511
D1NJ10
C529
1.0
C517
220u
R522
10
C514
470P
D509
D2S6M
C515
1200
R677
470K
R594
150
R943
1M
C585
0.022
Q537
RTR040N03
R540
1M
Q521
2SK3018
R539
10K
C630
0.01
D601
02DZ5.1
IC504
TL431A1LPM5
ERROR DET
R507
220
R524
1K
D595
WA5001=5
R921
33K
C516
0.47
R530
33K
R412
0
IC408
ON3171
PHOTO
COUPLER
R544
330
D563
02DZ6.2
IC410
ON3171
PHOTO
COUPLER
R542
1K
C507
0.01
D430
MA111
R404
1K
R420
0
Q524
2SK2090
C627
1000P
R541
1M
R549
10K
11
12
13
14
15
16
BA
BB
BC
BD
BE
BF
BG
BH
BI
BJ
BK
BL
BM
BN
BO

P-BOARD TNPA3912AB (3/6)


TO P-BOARD (1/6)
TO P-BOARD (5/6)
HOT
COLD
IC411
TL431A1LPM5
ERROR DET
IC409
MIP2G4
DC POWER CONTROL
SOURCE
DRAIN
Vdd
FB
CL
Vcc
IC504
TL431A1LPM5
ERROR DET
IC408
ON3171
PHOTO COUPLER
IC410
ON3171
PHOTO COUPLER
Q434
2SK3302
Q537
RTR040N03
Q521
2SK3018
Q524
2SK2090
T410
ETS25AF115AH
D404
S1WB(A)80
D435
ERA15-10
D596
ERA15-10
D416
1SR153
D411
ST02D-170
ZN405
510V
ZN406
510V
L410
40mH
R413
10/5W
R483
4.7M
C414
0.047u
C407
22u/450V
R407
430K
R427
430K
R435
430K
C494
1u/250V
C497
47/50V
C493
47/50V
D412
D1NL20U
D441
D1NL20U
D444
D1NL20U
R429
4.7
R434
0
C467
220P
R461
10K
R488
100K
C654
1.0
R425
39K
R459
680K
C402
1.0
R416
3M
C408
1000P
R938
4.7K
D438
MA4200-M
C413
0.1
C425
0.01
C434
1.0
R418
22
C433
0.1
D445
MA4360-H
D436
MA4200-M
R432
1K
R422
330K
R423
1K
D430
MA111
R404
1K
R420
0
R412
0
R521
10
C512
50V
470P
C513
50V
470P
D511
D1NJ10
C529
1.0
C517
220u
R522
10
C514
50V
470P
D509
D2S6M
C515
1200
R507
220
R524
1K
D595
WA5001=5
R921
33K
C516
0.47
R530
33K
R544
330
D563
02DZ6.2
R542
1K
C507
0.01
R677
470K
R943
1M
R594
150
C585
0.1
R539
10K
R540
1M
C630
0.01
D601
02DZ5.1
R549
10K
C627
1000P
R541
1M
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

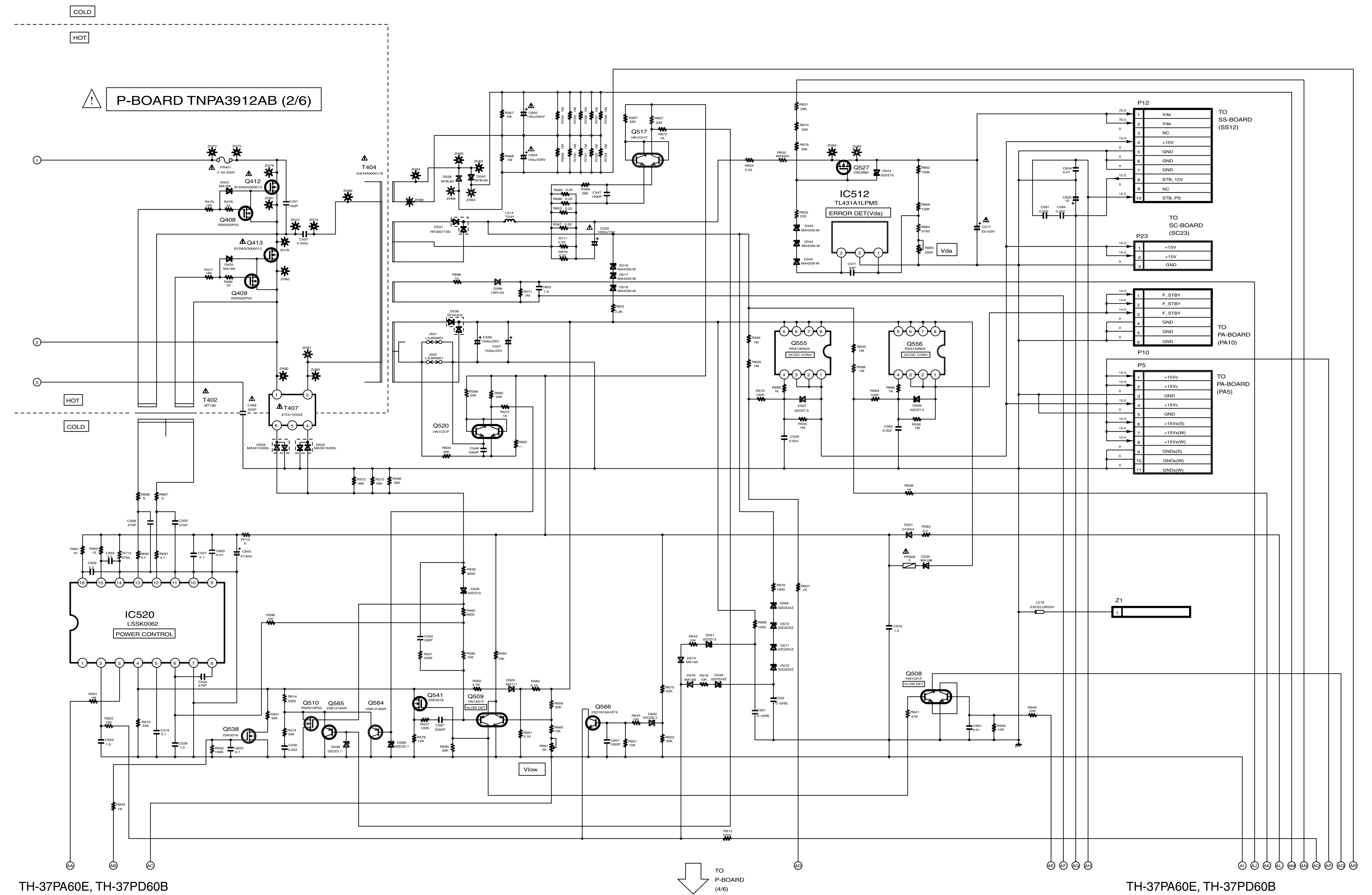
TH-37PA60E, TH-37PD60B
P-Board (3 of 6) Schematic Diagram

TH-37PA60E, TH-37PD60B
P-Board (3 of 6) Schematic Diagram


COLD
HOT
P-BOARD TNPA3911AB (2/6)
PR401 F 5A 250V
Q412 B1DAGQ000013
Q408 RSR025P03
Q413 B1DAGQ000013
Q409 RSR025P03
T404 G4D4A0000118
T402 MT180
T407 ETQ1K5AZ
D528 MA3X15300L
D529 MA3X15300L
C469 220P
C451 100P
C457 0.033u
D531 RF2001T3D
D536 SF20JC6
J501 LSJW0001
J502 LSJW0001
C556 1500u/25V
C557 1500u/25V
Q517 HN1C01F
Q520 HN1C01F
L514 10uH
C555 1000u/16V
C605 150u/200V
C604 150u/200V
IC512 TL431A1LPM5
ERROR DET(Vda)
Q527 2SK2882
Vda
Q555 RSS130N03 DC/DC CONV.
Q556 RSS130N03 DC/DC CONV.
P12
1 Vda
2 Vda
3 NC
4 +15V
5 GND
6 GND
7 GND
8 STB_12V
9 NC
10 STB_PS
TO SS-BOARD (SS12)
P23
1 +15V
2 +15V
3 GND
TO SC-BOARD (SC23)
P10
1 F_STBY
2 F_STBY
3 F_STBY
4 GND
5 GND
6 GND
TO PA-BOARD (PA10)
P5
1 +15Vc
2 +15Vc
3 GND
4 +15Vc
5 GND
6 +15Vs(S)
7 +15Vs(W)
8 +15Vs(W)
9 GNDs(S)
10 GNDs(W)
11 GNDs(W)
TO PA-BOARD (PA5)
IC520 LSSK0062 POWER CONTROL
Q538 2SK3018
Q510 RSR015P03
Q565 2SB1218AR
Q564 2SB1218AR
Q541 2SK3018
Q509 HN1A01F VLOW DET
Vlow
Q566 2SD1819A-RTX
Q508 HN1C01F VLOW DET
L510 EXCELDR25V
Z1
PR509 F
D535 MA188
D521 D1NS4
AA AB AC AD AE AF AG AH AI AJ AK AL AM AN AO AP AQ AR AS AT
TO P-BOARD (4/6)

TH-42PA60E, TH-42PD60B
P-Board (2 of 6) Schematic Diagram

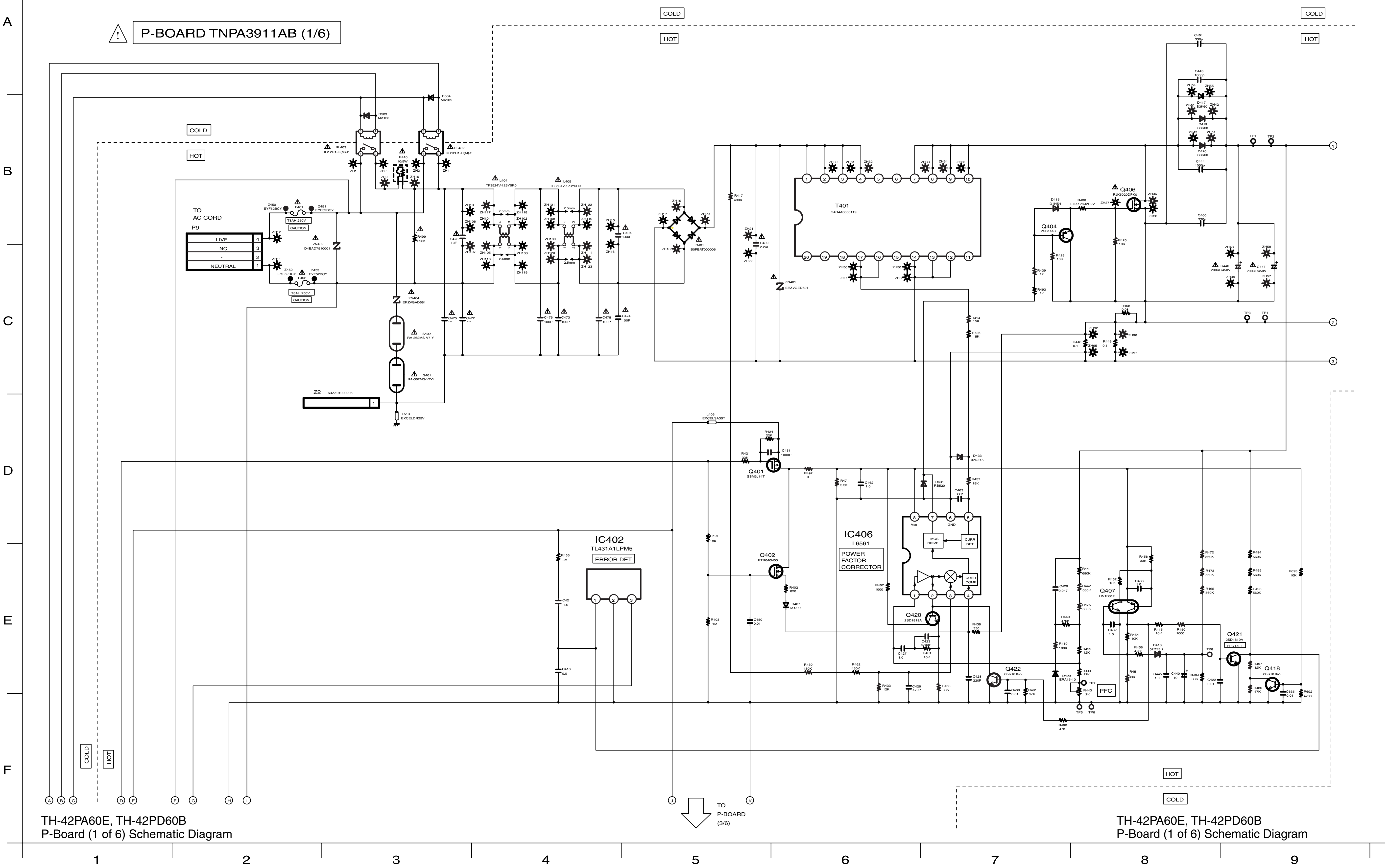
TH-42PA60E, TH-42PD60B
P-Board (2 of 6) Schematic Diagram


COLD
HOT
P-BOARD TNPA3912AB (2/6)
PR401 F 5A 250V
Q412 B1DAGQ000013
Q408 RSR025P03
Q413 B1DAGQ000013
Q409 RSR025P03
T404 G4D4A0000118
T402 MT180
T407 ETQ1K5AZ
D528 MA3X15300L
D529 MA3X15300L
Q517 HN1C01F
Q520 HN1C01F
Q527 2SK2882
IC512 TL431A1LPM5
ERROR DET(Vda)
Vda
Q555 RSS130N03 DC/DC CONV
Q556 RSS130N03 DC/DC CONV
IC520 LSSK0062
POWER CONTROL
Q538 2SK3018
Q510 RSR015P03
Q565 2SB1218AR
Q564 2SB1218AR
Q541 2SK3018
Q509 HN1A01F VLOW DET
Q566 2SD1819A-RTX
Q508 HN1C01F VLOW DET
Vlow
L510 EXCELDR25V
Z1
P12
TO SS-BOARD (SS12)
Vda
Vda
NC
+15V
GND
GND
GND
STB_12V
NC
STB_PS
P23
TO SC-BOARD (SC23)
+15V
+15V
GND
P10
TO PA-BOARD (PA10)
F_STBY
F_STBY
F_STBY
GND
GND
GND
P5
TO PA-BOARD (PA5)
+15Vc
+15Vc
GND
+15Vc
GND
+15Vs(S)
+15Vs(W)
+15Vs(W)
GNDs(S)
GNDs(W)
GNDs(W)
AA
AB
AC
AD
AE
AF
AG
AH
AI
AJ
AK
AL
AM
AN
AO
AP
AQ
AR
TO P-BOARD (4/6)
10
11
12
13
14
15
16
17
18

TH-37PA60E, TH-37PD60B
P-Board (2 of 6) Schematic Diagram

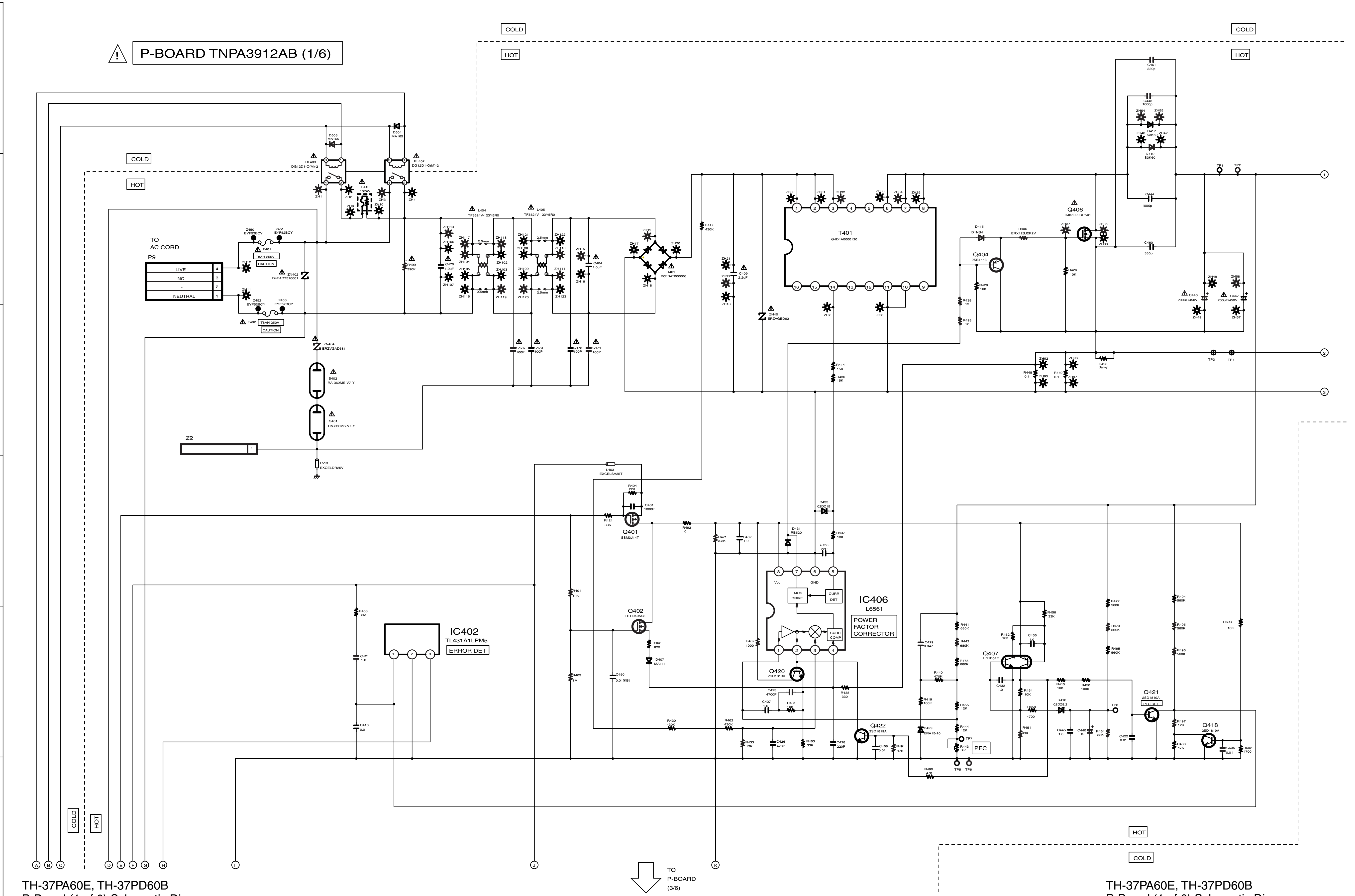
TH-37PA60E, TH-37PD60B
P-Board (2 of 6) Schematic Diagram

P-BOARD TNPA3911AB (1/6)


A
B
C
D
E
F
1
2
3
4
5
6
7
8
9
COLD
HOT
TO
AC CORD
P9
LIVE
NC
-
NEUTRAL
Z450 EYF52BCY
F401
T8AH 250V
CAUTION
Z451 EYF52BCY
ZN402 D4EAD7510001
Z452 EYF52BCY
F402
Z453 EYF52BCY
D503 MA165
D504 MA165
RL403 DG12D1-O(M)-2
RL402 DG12D1-O(M)-2
R410 10/5W
R499 390K
L404 TF3524V-123Y5R0
L405 TF3524V-123Y5R0
C470 1uF
C404 1.0uF
ZN404 ERZVGAD681
S402 RA-362MS-V7-Y
S401 RA-362MS-V7-Y
Z2 K4ZZ01000206
L513 EXCELDR25V
D401 B0FBAT000006
R417 430K
C409 2.2uF
ZN401 ERZVGED621
T401 G4D4A0000119
D415 D1N54
R406 ERX12SJ2R2V
Q406 RJK5020DPK01
Q404 2SB1443
R426 10K
R428 10K
R439 12
R493 12
C461 330p
C443 1000p
D417 S3K60
D419 S3K60
D420 S3K60
C444 1000p
C460 330p
C446 200uF/450V
C447 200uF/450V
TP1
TP2
TP3
TP4
R498 0.08
R448 0.1
R449 0.1
R414 15K
R436 15K
L403 EXCELSA35T
R424 22K
C431 1000P
R421 33K
Q401 SSM3J14T
R492 0
R471 3.3K
C462 1.0
D431 RB520
D433 02DZ15
R437 18K
C463 22P
IC402
TL431A1LPM5
ERROR DET
R453 3M
C421 1.0
C410 0.01
R401 10K
R403 1M
Q402 RTR040N03
R402 820
D407 MA111
C450 0.01
IC406
L6561
POWER FACTOR CORRECTOR
MOS DRIVE
CURR DET
CURR COMP
Vcc
GND
R467 1000
Q420 2SD1819A
C427 1.0
C423 4700P
R431 10K
R438 330
C428 220P
R430 430K
R462 430K
R433 12K
C426 470P
R463 33K
Q422 2SD1819A
C468 0.01
R491 47K
C429 0.047
R441 680K
R442 680K
R475 680K
R440 470K
R419 100K
R455 12K
R444 12K
D429 ERA15-10
TP7
R443 2K
TP5
TP6
PFC
R490 47K
R456 33K
R452 10K
C436 1.0
Q407 HN1B01F
C432 1.0
R454 10K
R415 10K
R450 1000
R458 220
D418 02DZ8.2
R451 33K
C445 1.0
C440 10
R464 33K
C422 0.01
TP8
R472 560K
R473 560K
R465 560K
R494 560K
R495 560K
R496 560K
R693 10K
Q421 2SD1819A
PFC DET
R497 12K
Q418 2SD1819A
R480 47K
C635 0.01
R692 4700
TO
P-BOARD
(3/6)
①
②
③
A
B
C
D
E
F
G
H
I
J
K

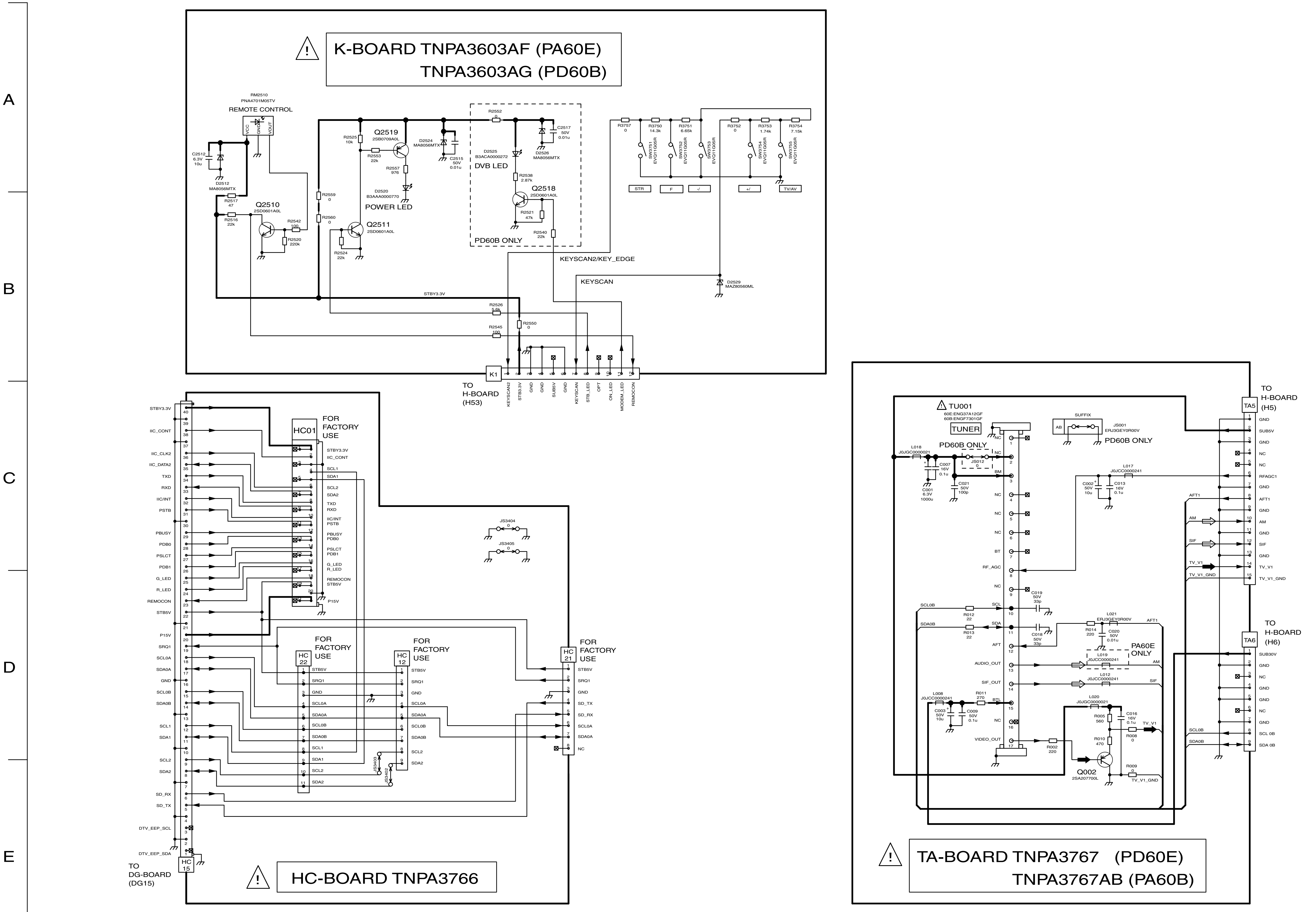
TH-42PA60E, TH-42PD60B
P-Board (1 of 6) Schematic Diagram

TH-42PA60E, TH-42PD60B
P-Board (1 of 6) Schematic Diagram


P-BOARD TNPA3912AB (1/6)
COLD
HOT
TO AC CORD
P9
LIVE
NC
NEUTRAL
F401 T8AH 250V CAUTION
F402 T8AH 250V CAUTION
Z450 EYF52BCY
Z451 EYF52BCY
Z452 EYF52BCY
Z453 EYF52BCY
ZN402 D4EAD7510001
ZN404 ERZVGAD681
S402 RA-362MS-V7-Y
S401 RA-362MS-V7-Y
Z2
L513 EXCELDR25V
RL403 DG12D1-O(M)-2
RL402 DG12D1-O(M)-2
D503 MA165
D504 MA165
R410 10/5W
R499 390K
L404 TF3524V-123Y5R0
L405 TF3524V-123Y5R0
C470 1.0uF
C404 1.0uF
C476 100P
C473 100P
C478 100P
C474 100P
D401 B0FBAT000006
R417 430K
C409 2.2uF
ZN401 ERZVGED621
T401 G4D4A0000120
D415 D1NS4
R406 ERX12SJ2R2V
Q406 RJK5020DPK01
Q404 2SB1443
R426 10K
R428 10K
R439 12
R493 12
C461 330p
C443 1000p
D417 S3K60
D419 S3K60
C444 1000p
C460 330p
C446 200uF/450V
C447 200uF/450V
TP1
TP2
TP3
TP4
R448 0.1
R449 0.1
R498 damy
R414 15K
R436 15K
L403 EXCELSA35T
R424 22K
C431 1000P
R421 33K
Q401 SSM3J14T
R492 0
D433 02DZ15
D431 RB520
R471 3.3K
C462 1.0
C463 22P
R437 18K
IC406
L6561
POWER FACTOR CORRECTOR
Vcc
GND
MOS DRIVE
CURR DET
CURR COMP
R401 10K
R403 1M
Q402 RTR040N03
R402 820
D407 MA111
C450 0.01[KB]
R453 3M
C421 1.0
C410 0.01
IC402
TL431A1LPM5
ERROR DET
R467 1000
Q420 2SD1819A
C423 4700P
C427 1.0
R431 10K
R438 330
R430 430K
R462 430K
R433 12K
C426 470P
R463 33K
C428 220P
Q422 2SD1819A
C468 0.01
R491 47K
C429 0.047
R441 680K
R442 680K
R475 680K
R440 470K
R419 100K
D429 ERA15-10
R455 12K
R444 12K
TP7
R443 3K
PFC
TP5
TP6
R490 47K
R456 33K
R452 10K
C436 1.0
Q407 HN1B01F
C432 1.0
R454 10K
R415 10K
R450 1000
R458 4700
D418 02DZ8.2
R451 33K
C445 1.0
C440 10
R464 33K
TP8
C422 0.01
R472 560K
R473 560K
R465 560K
R494 560K
R495 560K
R496 560K
R693 10K
Q421 2SD1819A PFC DET
R497 12K
R460 47K
Q418 2SD1819A
C635 0.01
R692 4700
TO P-BOARD (3/6)
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

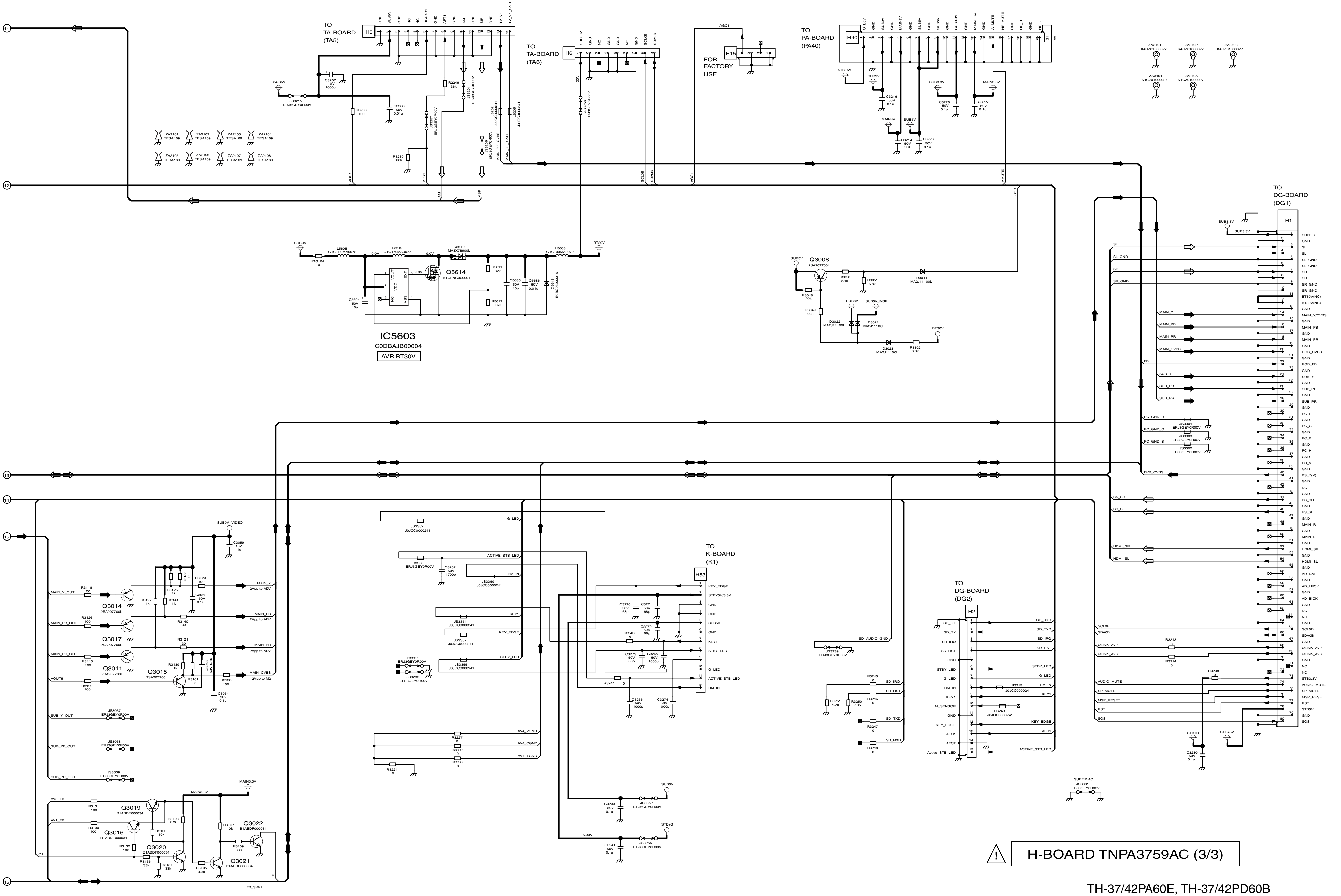
TH-37PA60E, TH-37PD60B
P-Board (1 of 6) Schematic Diagram

TH-37PA60E, TH-37PD60B
P-Board (1 of 6) Schematic Diagram


K-BOARD TNPA3603AF (PA60E)
TNPA3603AG (PD60B)
RM2510
PNA4701M05TV
REMOTE CONTROL
Q2510
2SD0601A0L
Q2511
2SD0601A0L
Q2519
2SB0709A0L
D2520
B3AAA0000770
POWER LED
D2525
B3ACA0000272
DVB LED
Q2518
2SD0601A0L
PD60B ONLY
KEYSCAN2/KEY_EDGE
KEYSCAN
STBY3.3V
D2529
MAZ80560ML
STR
F
-/
+/
TV/AV
K1
TO H-BOARD (H53)
KEYSCAN2
STB3.3V
GND
GND
SUB5V
GND
KEYSCAN
STB_LED
OPT
ON_LED
MODEM_LED
REMOCON
HC01
FOR FACTORY USE
HC 22
FOR FACTORY USE
HC 12
FOR FACTORY USE
HC 21
FOR FACTORY USE
JS3404
JS3405
HC 15
TO DG-BOARD (DG15)
HC-BOARD TNPA3766
STBY3.3V
IIC_CONT
IIC_CLK2
IIC_DATA2
TXD
RXD
IIC/INT
PSTB
PBUSY
PDB0
PSLCT
PDB1
G_LED
R_LED
REMOCON
STB5V
P15V
SRQ1
SCL0A
SDA0A
GND
SCL0B
SDA0B
SCL1
SDA1
SCL2
SDA2
SD_RX
SD_TX
DTV_EEP_SCL
DTV_EEP_SDA
TU001
60E:ENG37A12GF
60B:ENGF7301GF
TUNER
PD60B ONLY
SUFFIX
JS001
ERJ3GEY0R00V
PD60B ONLY
PA60E ONLY
Q002
2SA207700L
TA5
TO H-BOARD (H5)
TA6
TO H-BOARD (H6)
GND
SUB5V
NC
RFAGC1
AFT1
AM
SIF
TV_V1
TV_V1_GND
SUB30V
SCL 0B
SDA 0B
TA-BOARD TNPA3767 (PD60E)
TNPA3767AB (PA60B)
A
B
C
D
E
1
2
3
4
5
6
7
8

TH-37/42PA60E, TH-37/42PD60B
HC, K and TA-Board Schematic Diagram

TH-37/42PA60E, TH-37/42PD60B
HC, K and TA-Board Schematic Diagram

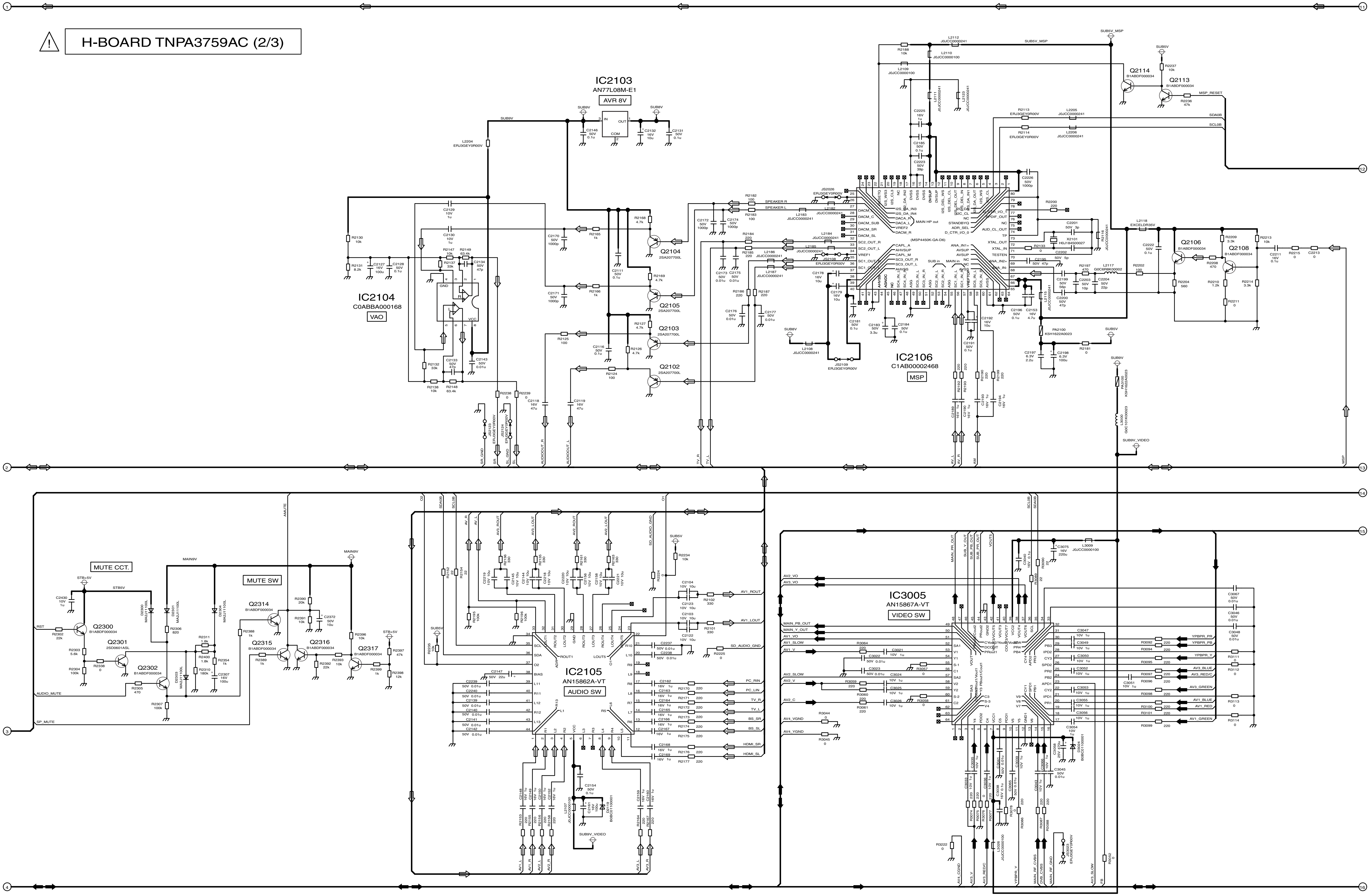

TO TA-BOARD (TA5)
H5
GND
SUB5V
NC
RFAGC1
AFT1
AM
SIF
TV_V1
TV_V1_GND
TO TA-BOARD (TA6)
H6
SUB30V
SCL0B
SDA0B
AGC1
FOR FACTORY USE
H15
TO PA-BOARD (PA40)
H40
STBY5V
MAIN9V
SUB3.3V
MAIN3.3V
A_MUTE
HP_MUTE
HP_R
HP_L
STB+5V
C3207 10V 1000u
JS3215 ERJ6GEY0R00V
R3206 100
C3268 50V 0.01u
R2246 36k
R3239 68k
ZA2101 TESA169
ZA2102 TESA169
ZA2103 TESA169
ZA2104 TESA169
ZA2105 TESA169
ZA2106 TESA169
ZA2107 TESA169
ZA2108 TESA169
ZA3401 K4CZ01000027
ZA3402 K4CZ01000027
ZA3403 K4CZ01000027
ZA3404 K4CZ01000027
ZA3405 K4CZ01000027
C3216 50V 0.1u
C3226 50V 0.1u
C3227 50V 0.1u
C3214 50V 0.1u
C3228 50V 0.1u
MAIN_RF_CVBS
MAIN_RF_GND
AMUTE
SOS
SUB9V
PA3104 0
L5605 G1C1R0MA0072
L5610 G1C470MA0077
D5610 MA3X78900L
L5608 G1C100MA0072
BT30V
Q5614 B1CFNG000001
R5611 82k
R5612 16k
C5685 50V 10u
C5686 50V 0.01u
D5618 B0BC03900015
C5604 50V 10u
IC5603
C0DBAJB00004
AVR BT30V
Q3008 2SA207700L
R3050 2.4k
R3051 6.8k
D3044 MA2J11100L
R3048 22k
R3049 220
D3022 MA2J11100L
D3021 MA2J11100L
D3023 MA2J11100L
R3102 6.8k
SUB5V_MSP
TO DG-BOARD (DG1)
H1
SUB3.3
SL
SL_GND
SR
SR_GND
BT30V(NC)
MAIN_Y/CVBS
MAIN_PB
MAIN_PR
RGB_CVBS
RGB_FB
SUB_Y
SUB_PB
SUB_PR
PC_R
PC_G
PC_B
PC_H
PC_V
BS_Y(V)
BS_SR
BS_SL
MAIN_R
MAIN_L
HDMI_SR
HDMI_SL
AD_DAT
AD_LRCK
AD_BICK
SCL0B
SDA0B
QLINK_AV2
QLINK_AV3
STB3.3V
AUDIO_MUTE
SP_MUTE
MSP_RESET
RST
STB5V
SOS
MAIN_CVBS
FB
PC_GND_R
PC_GND_G
PC_GND_B
JS3304 ERJ3GEY0R00V
JS3303 ERJ3GEY0R00V
JS3302 ERJ3GEY0R00V
DVB_CVBS
R3213 0
R3214 0
R3238 0
C3230 50V 0.1u
STB+B
SUFFIX:AC
JS3001 ERJ3GEY0R00V
SUB9V_VIDEO
C3059 16V 1u
MAIN_Y_OUT
MAIN_PB_OUT
MAIN_PR_OUT
VOUT5
R3118 100
R3126 100
R3115 100
R3122 100
Q3014 2SA207700L
Q3017 2SA207700L
Q3011 2SA207700L
Q3015 2SA207700L
R3127 1k
R3125 1k
R3141 1k
R3140 130
R3121 130
R3123 100
C3062 50V 0.1u
R3139 1k
R3161 1k
R3138 100
C3064 50V 0.1u
MAIN_Y 2Vpp to ADV
MAIN_PB 2Vpp to ADV
MAIN_PR 2Vpp to ADV
MAIN_CVBS 2Vpp to M2
SUB_Y_OUT
SUB_PB_OUT
SUB_PR_OUT
JS3037 ERJ3GEY0R00V
JS3038 ERJ3GEY0R00V
JS3039 ERJ3GEY0R00V
MAIN3.3V
AV3_FB
AV1_FB
R3131 100
R3130 100
Q3019 B1ABDF000034
Q3016 B1ABDF000034
R3103 2.2k
R3133 10k
R3132 10k
Q3020 B1ABDF000034
R3136 33k
R3134 33k
R3107 10k
Q3022 B1ABDF000034
R3109 330
Q3021 B1ABDF000034
R3105 3.3k
FB_SW/1
G_LED
JS3352 J0JCC0000241
ACTIVE_STB_LED
JS3358 ERJ3GEY0R00V
C3262 50V 4700p
RM_IN
JS3359 J0JCC0000241
KEY1
JS3354 J0JCC0000241
KEY_EDGE
JS3357 J0JCC0000241
STBY_LED
JS3355 J0JCC0000241
JS3237 ERJ3GEY0R00V
JS3230 ERJ3GEY0R00V
TO K-BOARD (K1)
H53
STBY5V/3.3V
SUB5V
C3270 50V 68p
C3271 50V 68p
C3272 50V 68p
R3243 0
C3273 50V 68p
C3265 50V 1000p
R3244 0
C3266 50V 1000p
C3274 50V 1000p
AV4_VGND
AV4_CGND
AV4_YGND
R3227 0
R3229 0
R3228 0
R3224 0
C3233 50V 0.1u
JS3252 ERJ6GEY0R00V
5.00V
C3241 50V 0.1u
JS3255 ERJ6GEY0R00V
SD_AUDIO_GND
JS3239 ERJ3GEY0R00V
R3245 0
R3246 0
R3251 4.7k
R3250 4.7k
R3247 0
R3248 0
TO DG-BOARD (DG2)
H2
SD_RX
SD_TX
SD_IRQ
SD_RST
SD_RXD
SD_TXD
AI_SENSOR
AFC1
AFC2
Active_STB_LED
R3215 J0JCC0000241
R3249 J0JCC0000241
⚠ H-BOARD TNPA3759AC (3/3)
11
12
13
14
15
16

TH-37/42PA60E, TH-37/42PD60B H-Board (3 of 3) Schematic Diagram

TH-37/42PA60E, TH-37/42PD60B
H-Board (3 of 3) Schematic Diagram

19 20 21 22 23 24 25 26 27

H-BOARD TNPA3759AC (2/3)

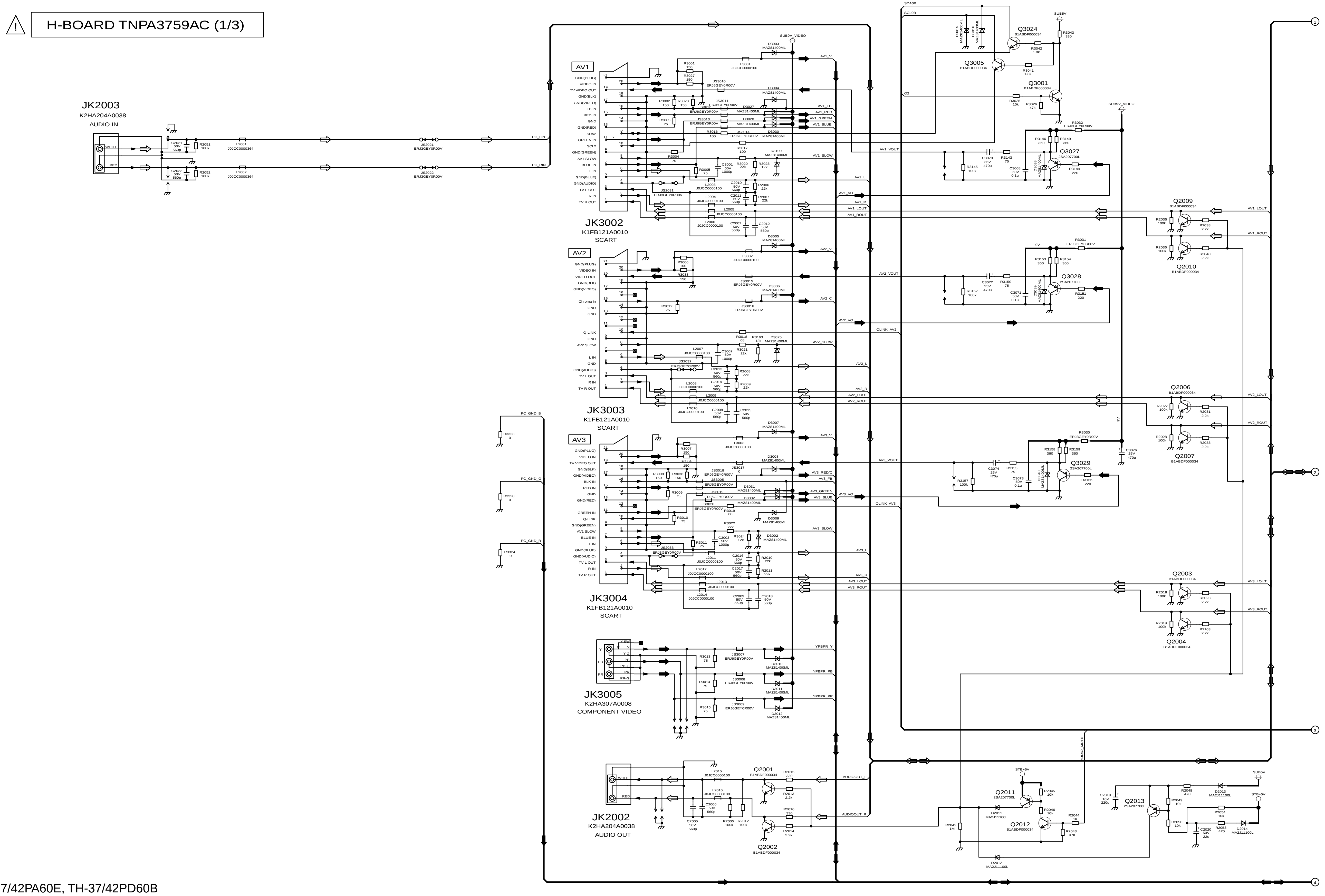

IC2103
AN77L08M-E1
AVR 8V
IC2104
C0ABBA000168
VAO
IC2106
C1AB00002468
MSP
(MSP4450K-QA-D6)
IC2105
AN15862A-VT
AUDIO SW
IC3005
AN15867A-VT
VIDEO SW
MUTE CCT.
MUTE SW
Q2100
Q2101
Q2102
Q2103
Q2104
Q2105
Q2106
Q2108
Q2113
Q2114
Q2300
Q2301
Q2302
Q2314
Q2315
Q2316
Q2317
SUB9V
SUB8V
SUB5V
SUB5V_MSP
SUB9V_VIDEO
MAIN9V
STB+5V
STB5V
MSP_RESET
SDA0B
SCL0B
SPEAKER R
SPEAKER L
RST
AUDIO_MUTE
SP_MUTE
AMUTE
AV1_ROUT
AV1_LOUT
SD_AUDIO_GND
PC_RIN
PC_LIN
TV_R
TV_L
BS_SR
BS_SL
HDMI_SR
HDMI_SL
AV2_VO
AV3_VO
MAIN_PB_OUT
MAIN_Y_OUT
AV1_VO
AV1_SLOW
AV1_V
AV2_SLOW
AV2_V
AV2_C
AV4_VGND
AV4_YGND
YPBPR_PR
YPBPR_PB
YPBPR_Y
AV3_BLUE
AV3_RED/C
AV3_GREEN
AV1_BLUE
AV1_RED
AV1_GREEN
MSP
1
2
3
4
11
12
13
14
15
16

TH-37/42PA60E, TH-37/42PD60B H-Board (2 of 3) Schematic Diagram

TH-37/42PA60E, TH-37/42PD60B H-Board (2 of 3) Schematic Diagram

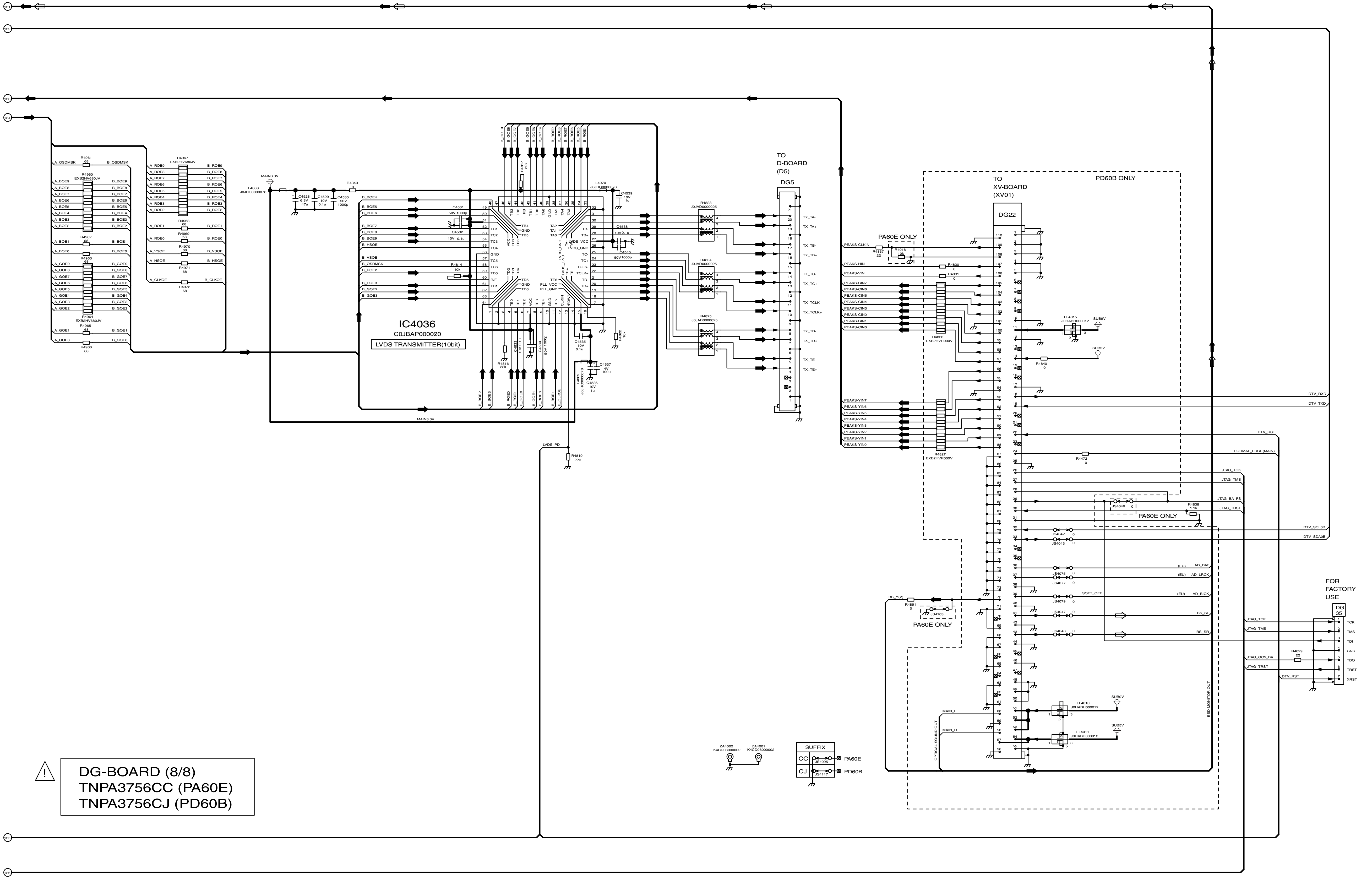
10 11 12 13 14 15 16 17 18

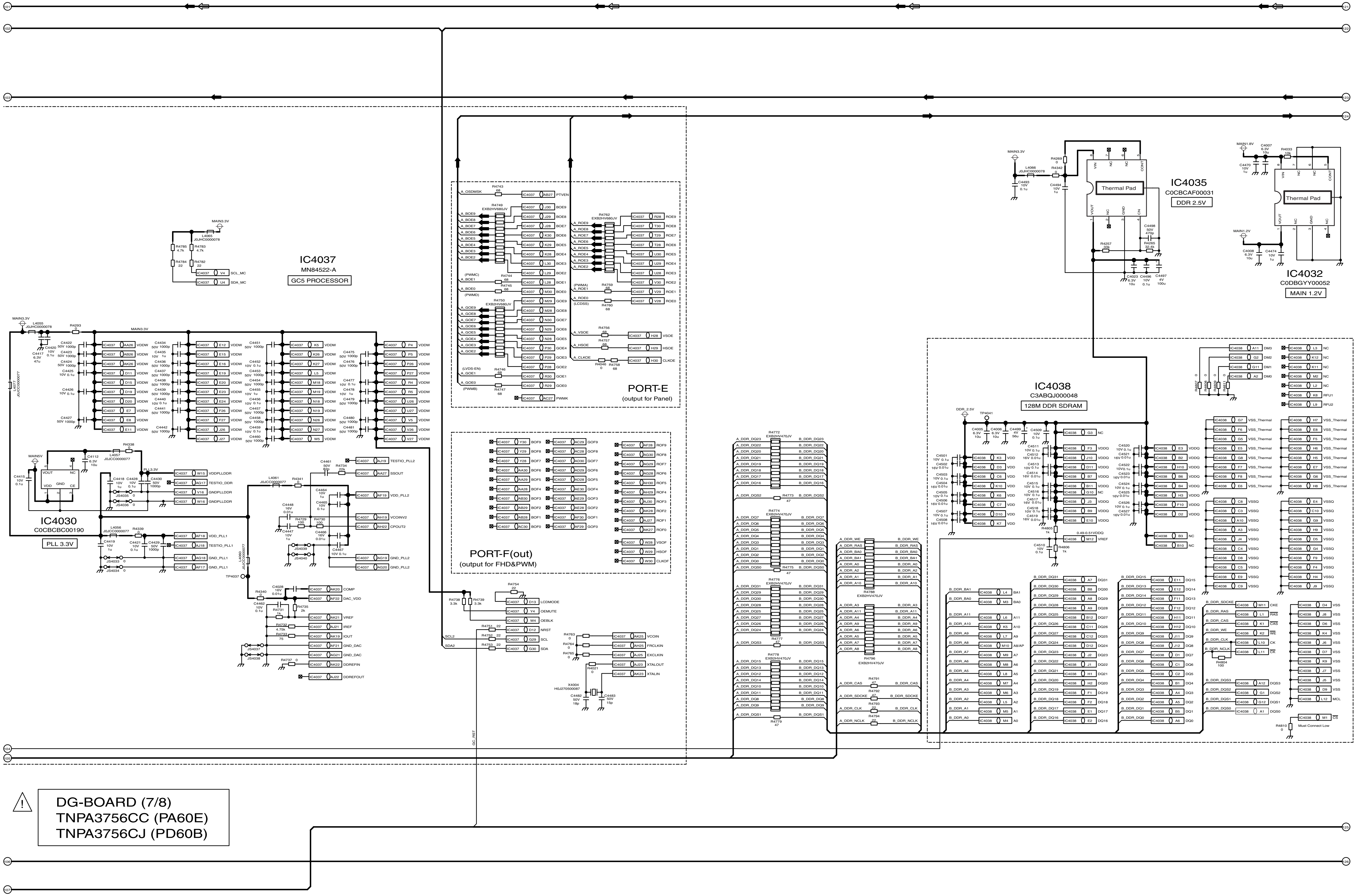
H-BOARD TNPA3759AC (1/3)


A
B
C
D
E
F
JK2003
K2HA204A0038
AUDIO IN
PC_LIN
PC_RIN
AV1
JK3002
K1FB121A0010
SCART
AV2
JK3003
K1FB121A0010
SCART
AV3
JK3004
K1FB121A0010
SCART
JK3005
K2HA307A0008
COMPONENT VIDEO
JK2002
K2HA204A0038
AUDIO OUT
SUB9V_VIDEO
SUB5V
STB+5V
Q3024
Q3005
Q3001
Q3027
Q3028
Q3029
Q2009
Q2010
Q2006
Q2007
Q2003
Q2004
Q2001
Q2002
Q2011
Q2012
Q2013
AV1_V
AV1_FB
AV1_RED
AV1_GREEN
AV1_BLUE
AV1_SLOW
AV1_L
AV1_VO
AV1_R
AV1_LOUT
AV1_ROUT
AV1_VOUT
AV2_V
AV2_VOUT
AV2_C
AV2_VO
QLINK_AV2
AV2_SLOW
AV2_L
AV2_R
AV2_LOUT
AV2_ROUT
AV3_V
AV3_VOUT
AV3_RED/C
AV3_FB
AV3_GREEN
AV3_BLUE
AV3_VO
QLINK_AV3
AV3_SLOW
AV3_L
AV3_R
AV3_LOUT
AV3_ROUT
YPBPR_Y
YPBPR_PB
YPBPR_PR
AUDIOOUT_L
AUDIOOUT_R
AUDIO_MUTE
PC_GND_B
PC_GND_G
PC_GND_R
SDA0B
SCL0B
1
2
3
4

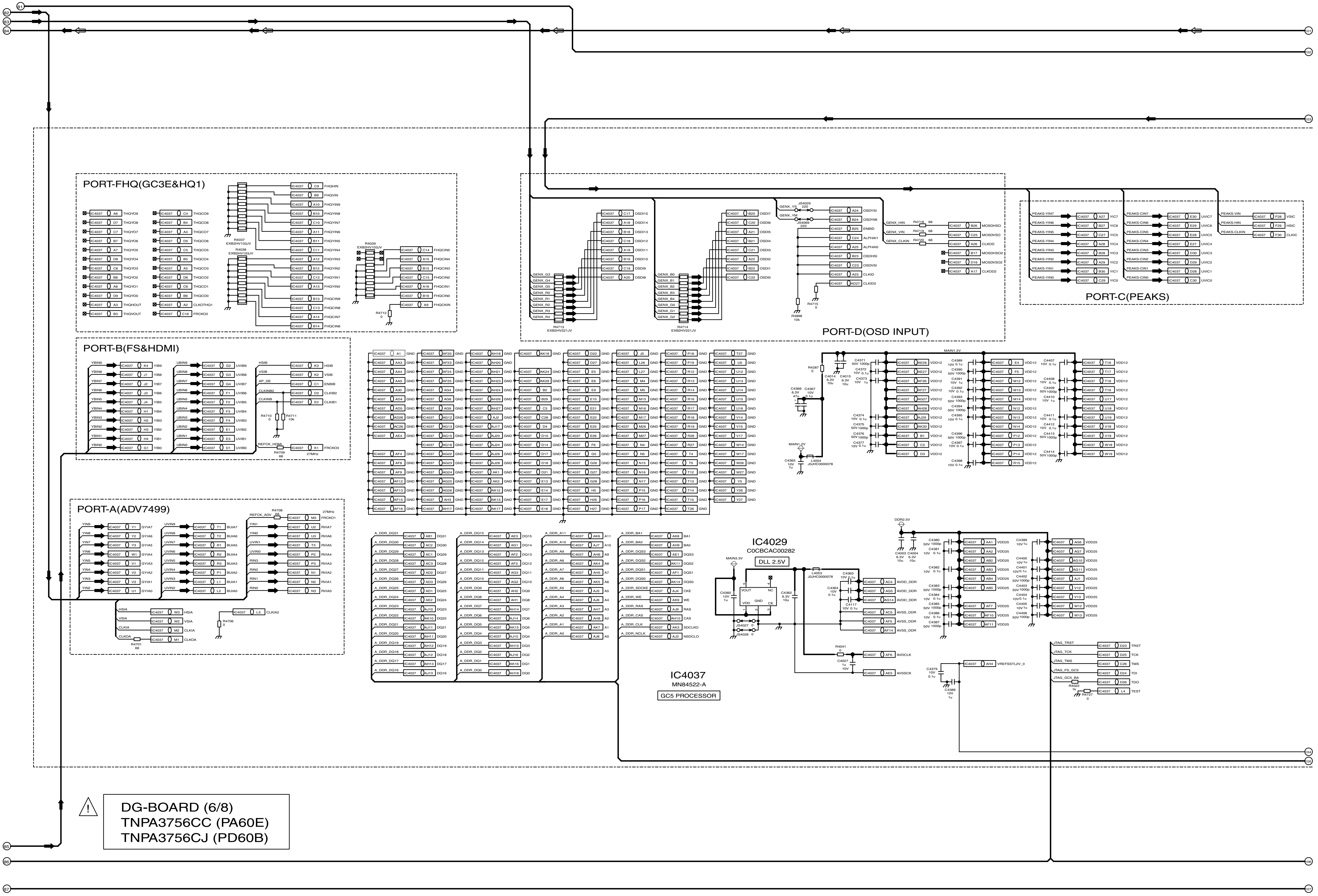
TH-37/42PA60E, TH-37/42PD60B
H-Board (1 of 3) Schematic Diagram

TH-37/42PA60E, TH-37/42PD60B H-Board (1 of 3) Schematic Diagram


IC4036
C0JBAP000020
LVDS TRANSMITTER(10bit)
TO
D-BOARD
(D5)
DG5
TO
XV-BOARD
(XV01)
DG22
PD60B ONLY
PA60E ONLY
PA60E ONLY
PA60E ONLY
FOR
FACTORY
USE
DG
35
TCK
TMS
TDI
GND
TDO
TRST
XRST
SUFFIX
CC
CJ
PA60E
PD60B
MAIN3.3V
LVDS_PD
SUB9V
SUB5V
DTV_RXD
DTV_TXD
DTV_RST
FORMAT_EDGE(MAIN)
JTAG_TCK
JTAG_TMS
JTAG_BA_FS
JTAG_TRST
DTV_SCL0B
DTV_SDA0B
AD_DAT
AD_LRCK
AD_BICK
SOFT_OFF
BS_SL
BS_SR
BS_Y(V)
MAIN_L
MAIN_R
OPTICAL_SOUND OUT
BSD MONITOR OUT
⚠
DG-BOARD (8/8)
TNPA3756CC (PA60E)
TNPA3756CJ (PD60B)

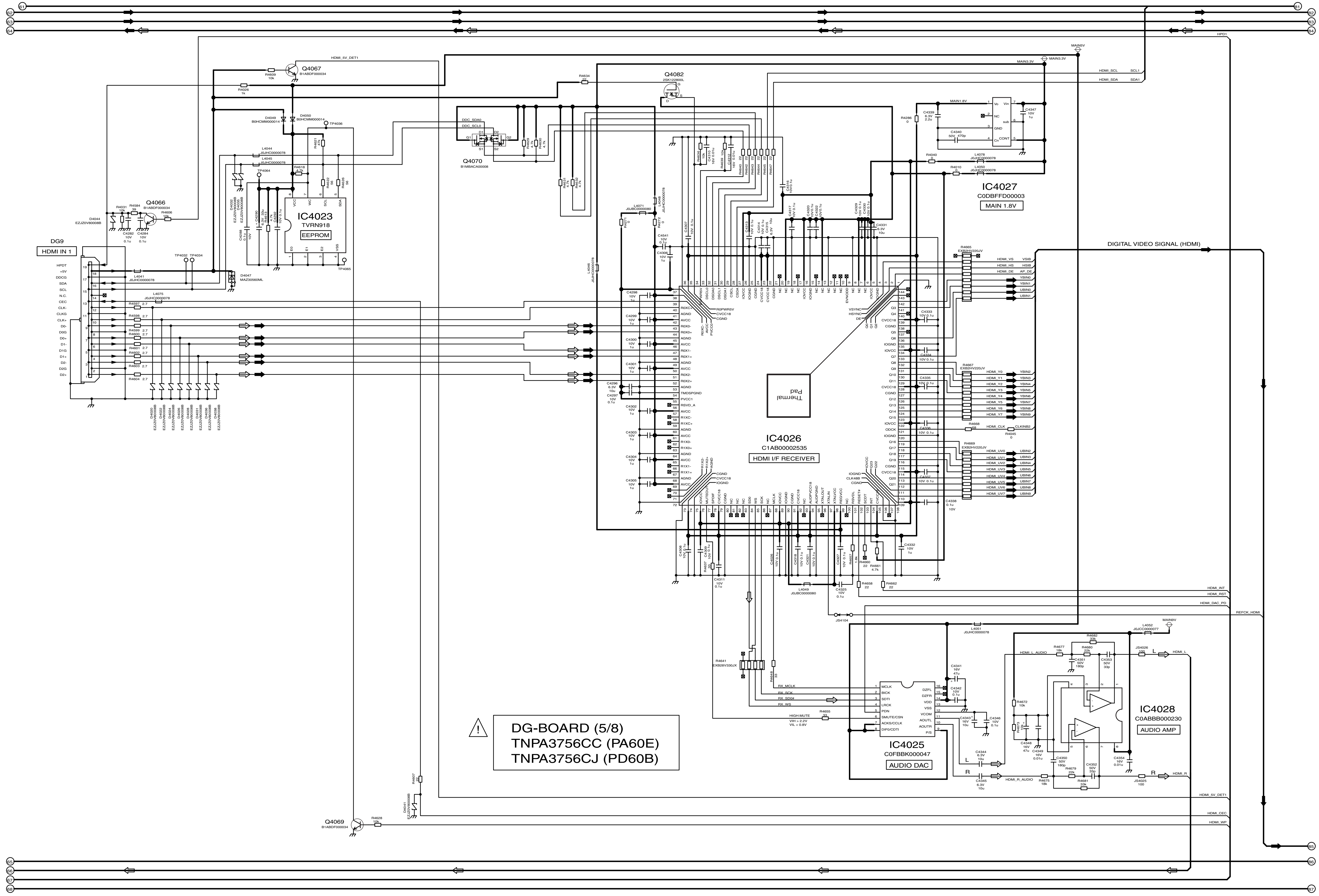

IC4037
MN84522-A
GC5 PROCESSOR
IC4030
C0CBCBC00190
PLL 3.3V
PORT-E
(output for Panel)
PORT-F(out)
(output for FHD&PWM)
IC4035
C0CBCAF00031
DDR 2.5V
Thermal Pad
IC4032
C0DBGYY00052
MAIN 1.2V
IC4038
C3ABQJ000048
128M DDR SDRAM

⚠ DG-BOARD (7/8)
TNPA3756CC (PA60E)
TNPA3756CJ (PD60B)


PORT-FHQ(GC3E&HQ1)
PORT-B(FS&HDMI)
PORT-A(ADV7499)
PORT-D(OSD INPUT)
PORT-C(PEAKS)
IC4029
C0CBCAC00282
DLL 2.5V
IC4037
MN84522-A
GC5 PROCESSOR
DG-BOARD (6/8)
TNPA3756CC (PA60E)
TNPA3756CJ (PD60B)
B1
B2
B3
B4
B5
B6
B7
D1
D2
D3
D4
D5
D6
D7
46
47
48
49
50
51
52
53
54

TH-37/42PA60E, TH-37/42PD60B DG-Board (6 of 8) Schematic Diagram

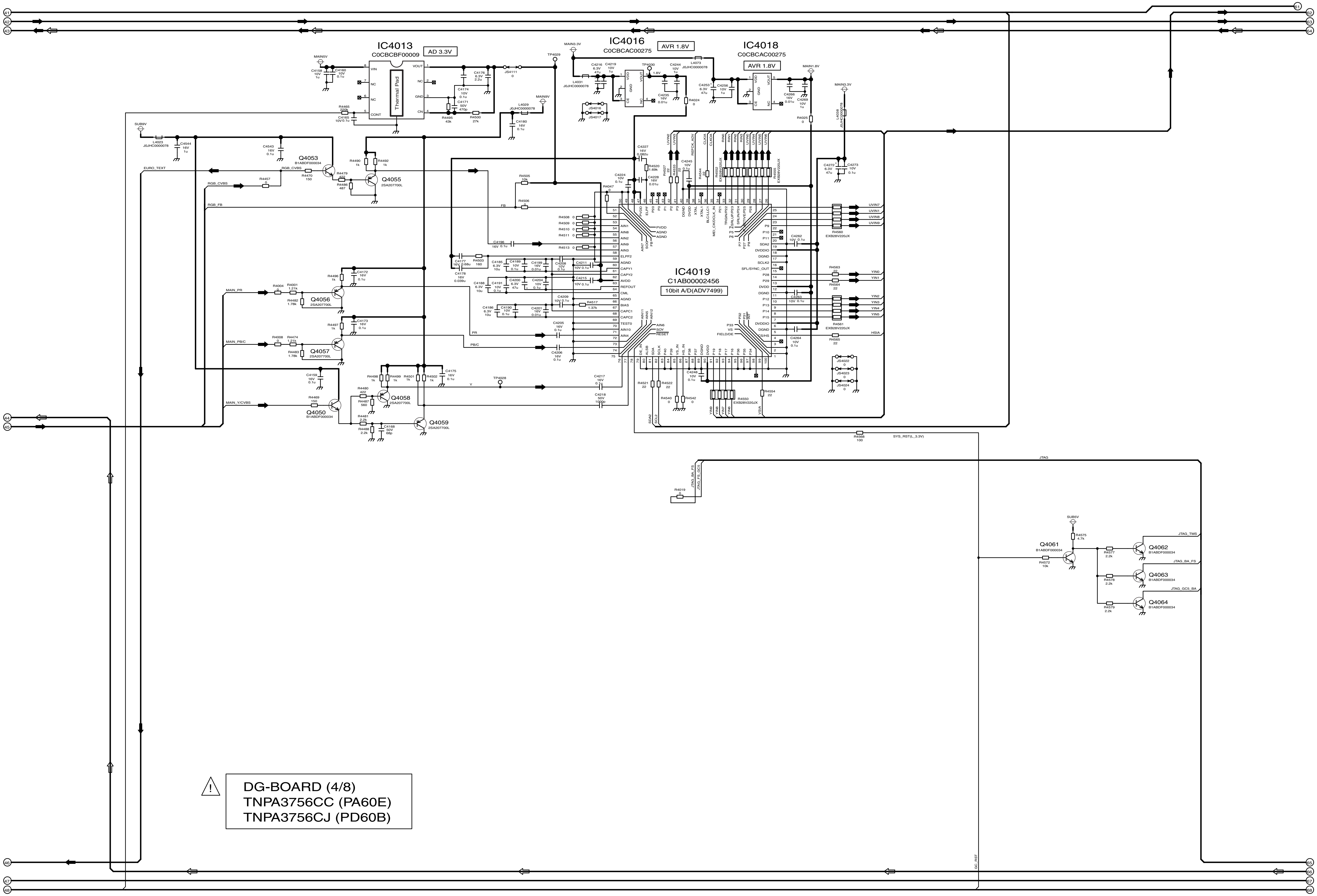
TH-37/42PA60E, TH-37/42PD60B DG-Board (6 of 8) Schematic Diagram


DG9
HDMI IN 1
HPDT
+5V
DDCG
SDA
SCL
N.C.
CEC
CLK-
CLKG
CLK+
D0-
D0G
D0+
D1-
D1G
D1+
D2-
D2G
D2+
Q4066
B1ABDF000034
Q4067
B1ABDF000034
HDMI_5V_DET1
IC4023
TVRN918
EEPROM
Q4070
B1MBACA00008
Q4082
2SK122800L
IC4026
C1AB00002535
HDMI I/F RECEIVER
Thermal Pad
IC4027
C0DBFFD00003
MAIN 1.8V
MAIN9V
MAIN3.3V
HDMI_SCL
HDMI_SDA
SCL1
SDA1
HPD1
DIGITAL VIDEO SIGNAL (HDMI)
HDMI_VS
HDMI_HS
HDMI_DE
HDMI_CLK
HDMI_INT
HDMI_RST
HDMI_DAC_PD
REFCK_HDMI
IC4025
C0FBBK000047
AUDIO DAC
IC4028
C0ABBB000230
AUDIO AMP
HDMI_L_AUDIO
HDMI_R_AUDIO
HDMI_L
HDMI_R
RX_MCLK
RX_SCK
RX_SD0
RX_WS
HIGH:MUTE
VIH > 2.2V
VIL < 0.8V
Q4069
B1ABDF000034
HDMI_5V_DET1
HDMI_CEC
HDMI_WP

DG-BOARD (5/8)
TNPA3756CC (PA60E)
TNPA3756CJ (PD60B)

TH-37/42PA60E, TH-37/42PD60B DG-Board (5 of 8) Schematic Diagram

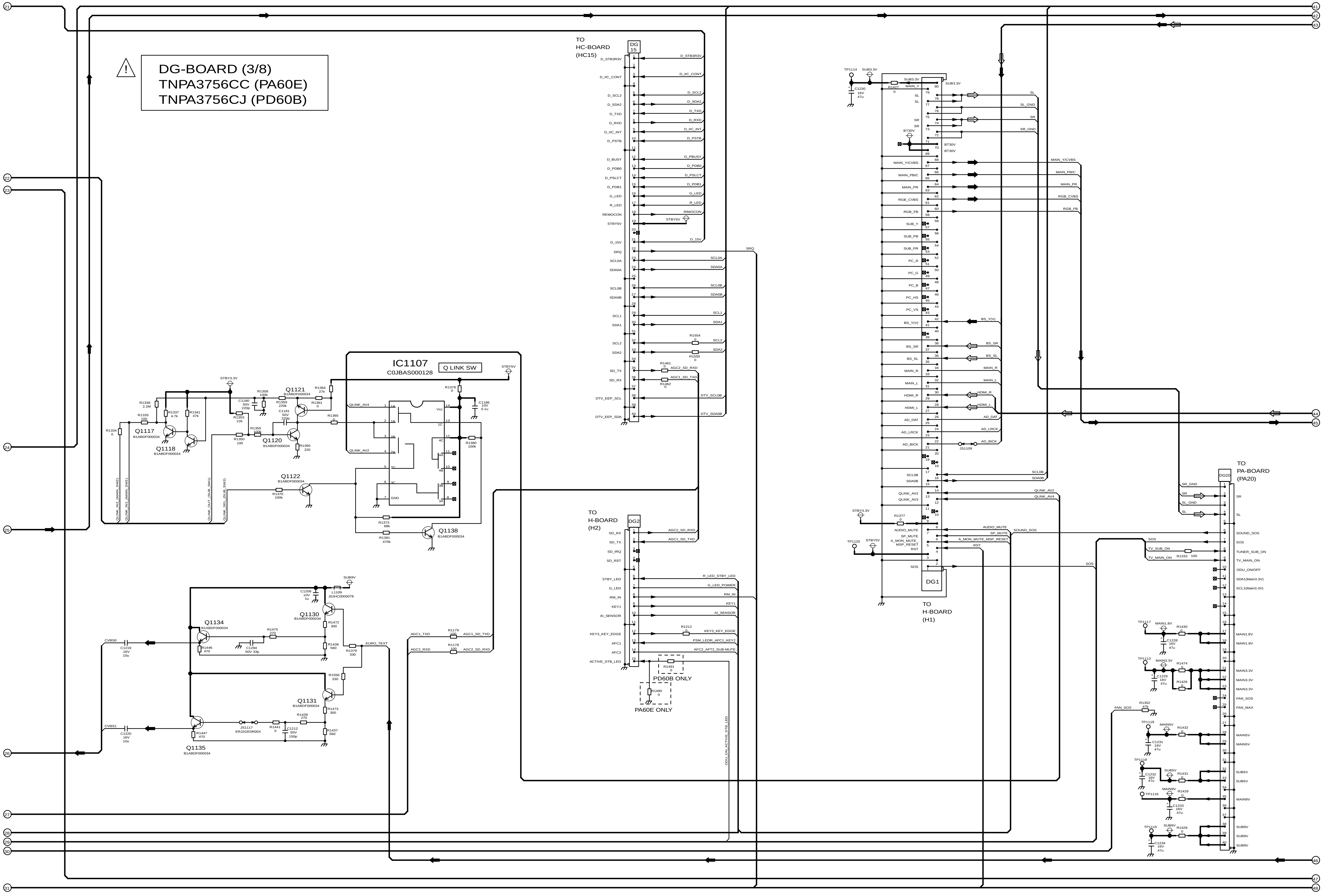
TH-37/42PA60E, TH-37/42PD60B DG-Board (5 of 8) Schematic Diagram


IC4013
C0CBCBF00009
AD 3.3V
Thermal Pad
IC4016
C0CBCAC00275
AVR 1.8V
IC4018
C0CBCAC00275
AVR 1.8V
IC4019
C1AB00002456
10bit A/D(ADV7499)
Q4053
B1ABDF000034
Q4055
2SA207700L
Q4056
2SA207700L
Q4057
2SA207700L
Q4058
2SA207700L
Q4059
2SA207700L
Q4050
B1ABDF000034
Q4061
B1ABDF000034
Q4062
B1ABDF000034
Q4063
B1ABDF000034
Q4064
B1ABDF000034
MAIN5V
MAIN9V
MAIN3.3V
MAIN1.8V
SUB9V
SUB5V
EURO_TEXT
RGB_CVBS
RGB_FB
FB
MAIN_PR
MAIN_PB/C
MAIN_Y/CVBS
PR
PB/C
Y
SYS_RST(L_3.3V)
JTAG
JTAG_BA_FS
JTAG_FS_GC5
JTAG_TMS
JTAG_GC5_BA
UVIN7
UVIN1
UVIN8
UVIN9
YIN0
YIN1
YIN2
YIN3
YIN4
YIN5
HSIA
TP4028
TP4029
TP4030

DG-BOARD (4/8)
TNPA3756CC (PA60E)
TNPA3756CJ (PD60B)

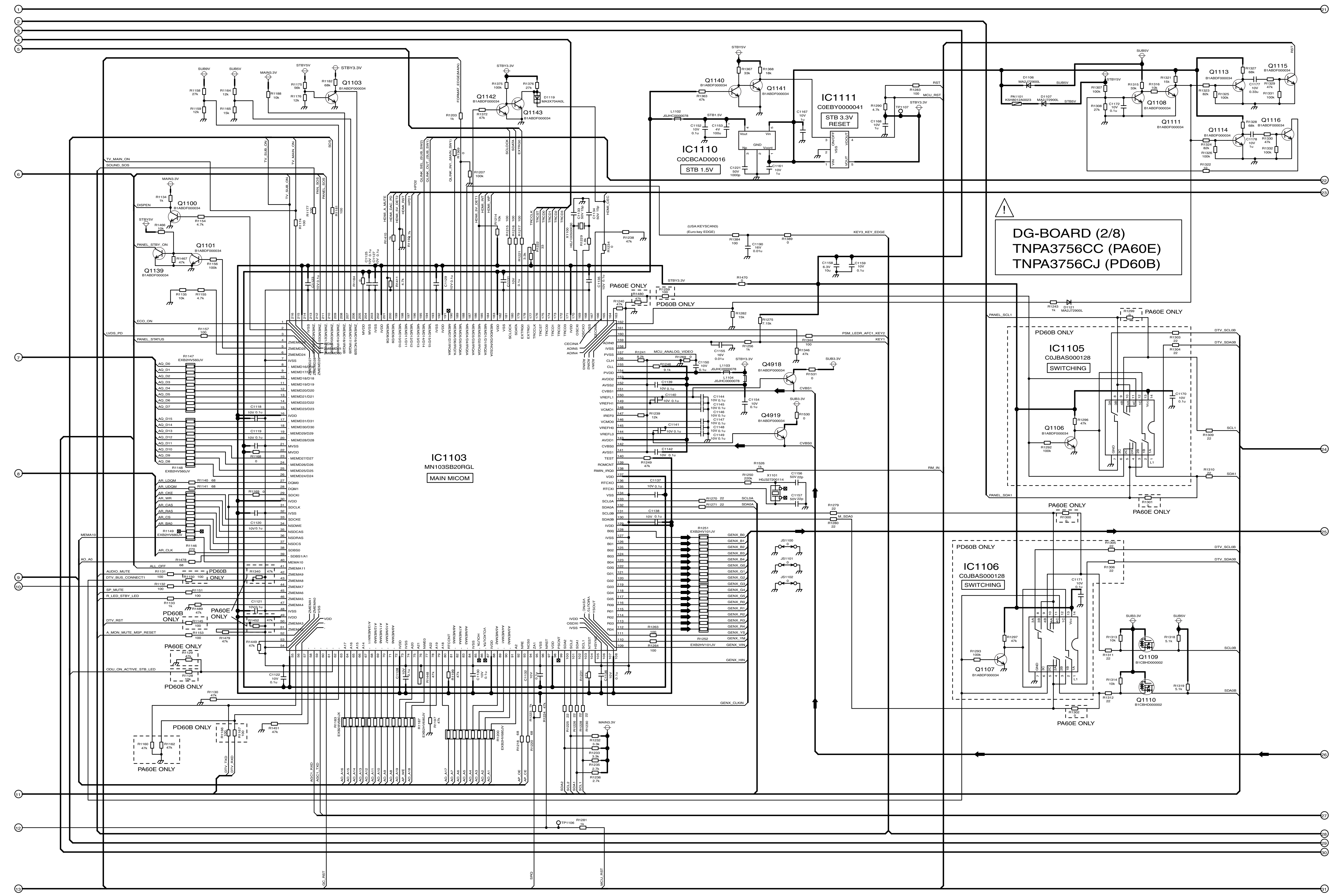
TH-37/42PA60E, TH-37/42PD60B DG-Board (4 of 8) Schematic Diagram

TH-37/42PA60E, TH-37/42PD60B DG-Board (4 of 8) Schematic Diagram


DG-BOARD (3/8)
TNPA3756CC (PA60E)
TNPA3756CJ (PD60B)
TO HC-BOARD (HC15)
DG15
TO H-BOARD (H2)
DG2
TO H-BOARD (H1)
DG1
TO PA-BOARD (PA20)
DG20
IC1107
C0JBAS000128
Q LINK SW
STBY3.3V
STBY5V
Q1117
Q1118
Q1120
Q1121
Q1122
Q1138
Q1130
Q1131
Q1134
Q1135
B1ABDF000034
CVBS0
CVBS1
EURO_TEXT
PD60B ONLY
PA60E ONLY
SUB9V
SUB3.3V
SUB5V
MAIN1.8V
MAIN3.3V
MAIN5V
MAIN9V
BT30V
D_STB3R3V
D_IIC_CONT
D_SCL2
D_SDA2
D_TXD
D_RXD
D_IIC_INT
D_PSTB
D_BUSY
D_PDB0
D_PSLCT
D_PDB1
G_LED
R_LED
REMOCON
D_15V
SRQ
SCL0A
SDA0A
SCL0B
SDA0B
SCL1
SDA1
SCL2
SDA2
SD_TX
SD_RX
DTV_EEP_SCL
DTV_EEP_SDA
AGC2_SD_RXD
AGC1_SD_TXD
STBY_LED
RM_IN
KEY1
AI_SENSOR
KEY3_KEY_EDGE
AFC1
AFC2
ACTIVE_STB_LED
ODU_ON_ACTIVE_STB_LED
MAIN_Y
SL
SL_GND
SR
SR_GND
MAIN_Y/CVBS
MAIN_PB/C
MAIN_PR
RGB_CVBS
RGB_FB
BS_Y(V)
BS_SR
BS_SL
MAIN_R
MAIN_L
HDMI_R
HDMI_L
AD_DAT
AD_LRCK
AD_BICK
QLINK_AV2
QLINK_AV3
QLINK_AV4
AUDIO_MUTE
SP_MUTE
A_MON_MUTE_MSP_RESET
RST
SOS
SOUND_SOS
TUNER_SUB_ON
TV_MAIN_ON
ODU_ON/OFF
SDA1(Main3.3V)
SCL1(Main3.3V)
FAN_SOS
FAN_MAX
19
20
21
22
23
24
25
26
27

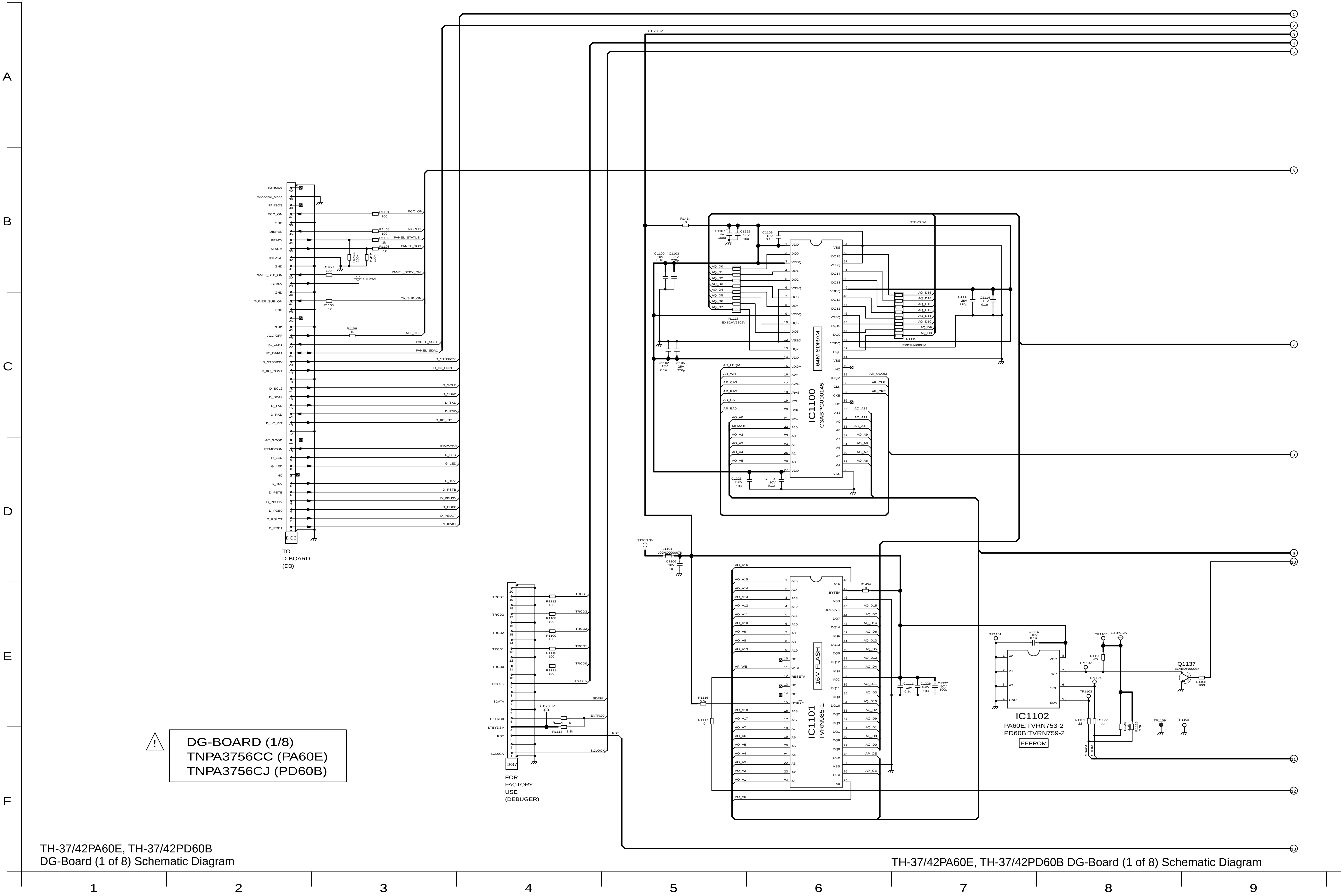
TH-37/42PA60E, TH-37/42PD60B DG-Board (3 of 8) Schematic Diagram

TH-37/42PA60E, TH-37/42PD60B DG-Board (3 of 8) Schematic Diagram


DG-BOARD (2/8)
TNPA3756CC (PA60E)
TNPA3756CJ (PD60B)
IC1103
MN103SB20RGL
MAIN MICOM
IC1110
C0CBCAD00016
STB 1.5V
IC1111
C0EBY0000041
STB 3.3V RESET
IC1105
C0JBAS000128
SWITCHING
IC1106
C0JBAS000128
SWITCHING
PA60E ONLY
PD60B ONLY
Q1100
Q1101
Q1139
Q1103
Q1142
Q1143
Q1140
Q1141
Q1113
Q1115
Q1108
Q1111
Q1114
Q1116
Q1106
Q1107
Q1109
Q1110
Q4918
Q4919
10
11
12
13
14
15
16
17
18

TH-37/42PA60E, TH-37/42PD60B DG-Board (2 of 8) Schematic Diagram

TH-37/42PA60E, TH-37/42PD60B DG-Board (2 of 8) Schematic Diagram


A
B
C
D
E
F
1
2
3
4
5
6
7
8
9
FANMAX
Panasonic_Mode
FANSOS
ECO_ON
GND
DISPEN
READY
ALARM
INEXCH
PANEL_STB_ON
STB5V
TUNER_SUB_ON
ALL_OFF
IIC_CLK1
IIC_DATA1
D_STB3R3V
D_IIC_CONT
D_SCL2
D_SDA2
D_TXD
D_RXD
D_IIC_INT
AC_GOOD
REMOCON
R_LED
G_LED
NC
D_15V
D_PSTB
D_PBUSY
D_PDB0
D_PSLCT
D_PDB1
DG3
TO
D-BOARD
(D3)
R1101 100
ECO_ON
R1458 100
DISPEN
R1102 1k
PANEL_STATUS
R1103 1k
PANEL_SOS
R1413 100k
R1412 100k
R1459 100
STBY5V
PANEL_STBY_ON
R1105 1k
TV_SUB_ON
R1106 1k
ALL_OFF
PANEL_SCL1
PANEL_SDA1
RIMOCON
STBY3.3V
R1414 0
C1107 4V 100u
C1222 6.3V 10u
C1109 10V 0.1u
C1100 10V 0.1u
C1103 25V 270p
R1118 EXB2HV680JV
C1102 10V 0.1u
C1105 25V 270p
64M SDRAM
IC1100
C3ABPG000145
R1119 EXB2HV680JV
C1112 25V 270p
C1114 10V 0.1u
C1223 6.3V 10u
C1110 10V 0.1u
AR_LDQM
AR_WR
AR_CAS
AR_RAS
AR_CS
AR_BA0
AR_UDQM
AR_CLK
AR_CKE
L1101 J0JHC0000078
C1106 10V 1u
16M FLASH
IC1101
TVRN985-1
R1454 0
R1116 5.6k
R1117 0
C1111 10V 0.1u
C1226 6.3V 10u
C1227 50V 100p
TP1101
C1116 10V 0.1u
IC1102
PA60E:TVRN753-2
PD60B:TVRN759-2
EEPROM
TP1105
R1123 47k
TP1102
TP1104
TP1103
Q1137 B1ABDF000034
R1408 100k
R1121 22
R1122 22
R1124 3.3k
R1125 3.3k
TP1109
TP1108
TRCST
TRCD3
TRCD2
TRCD1
TRCD0
TRCCLK
SDATA
EXTRG0
STBY3.3V
RST
SCLOCK
R1112 100
R1108 100
R1109 100
R1110 100
R1111 100
R1114 0
R1113 3.3k
DG7
FOR
FACTORY
USE
(DEBUGER)
①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪
⑫
⑬

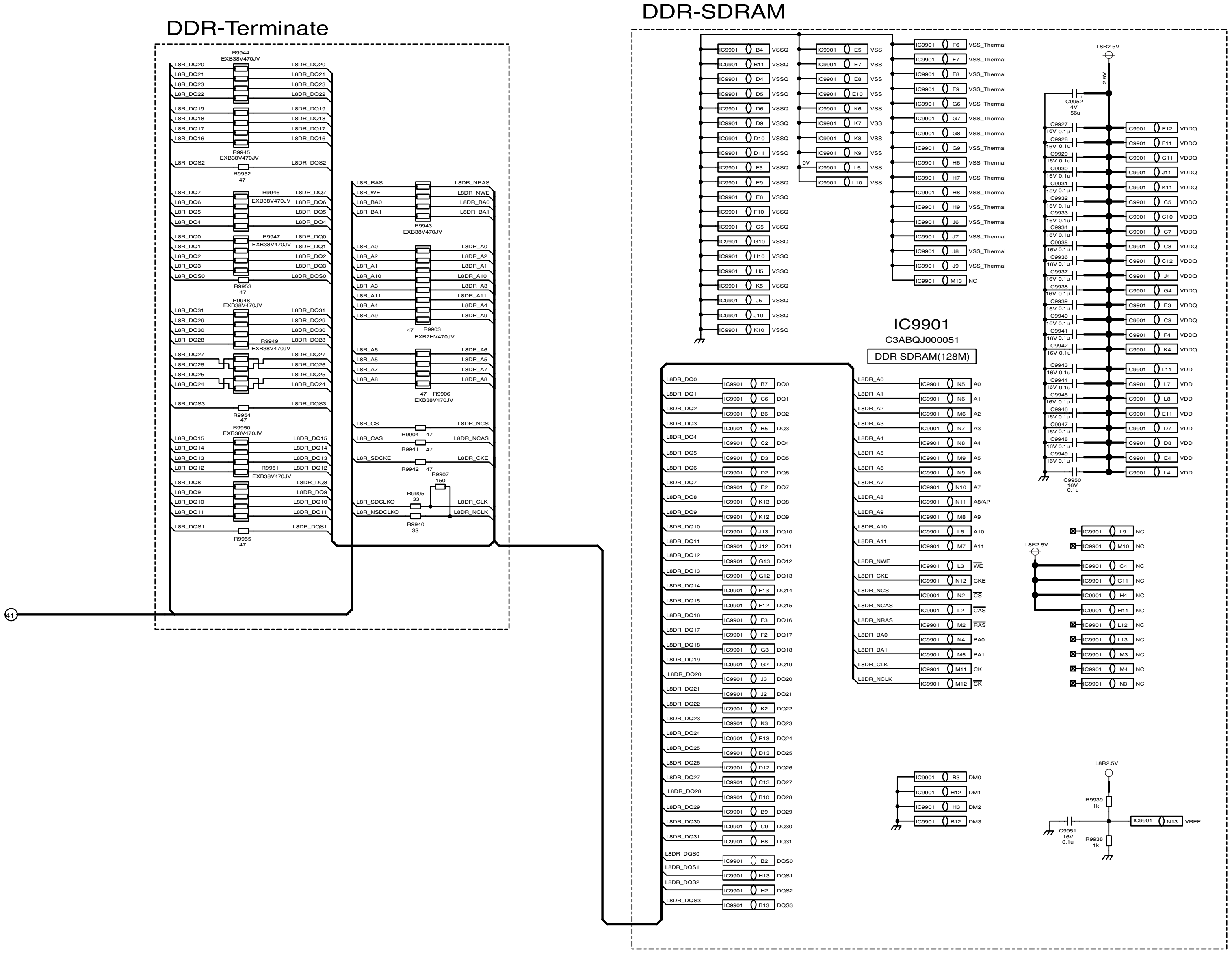
⚠

DG-BOARD (1/8)
TNPA3756CC (PA60E)
TNPA3756CJ (PD60B)

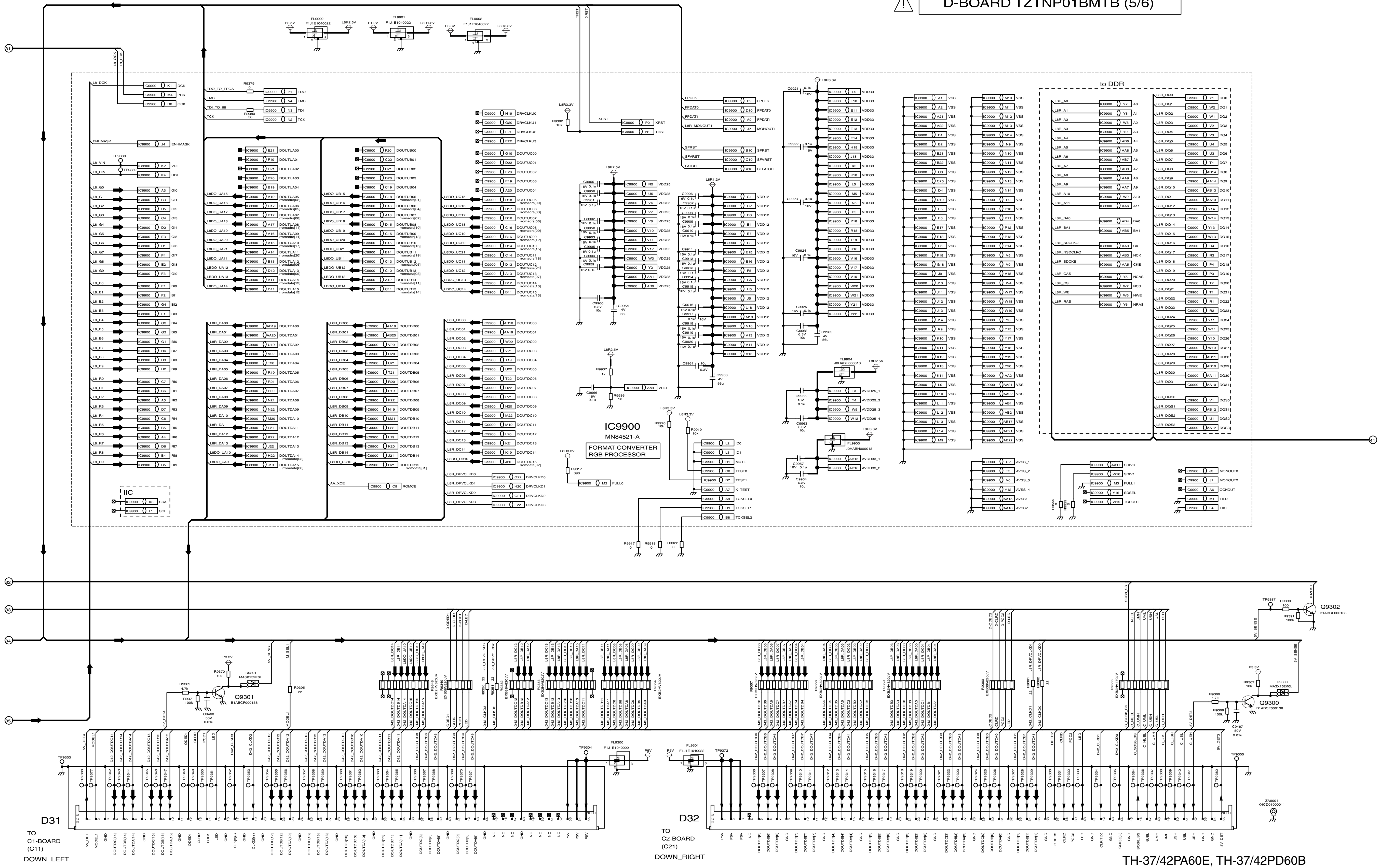
TH-37/42PA60E, TH-37/42PD60B
DG-Board (1 of 8) Schematic Diagram

TH-37/42PA60E, TH-37/42PD60B DG-Board (1 of 8) Schematic Diagram

⚠ D-BOARD TZTNP01BMTB (6/6)

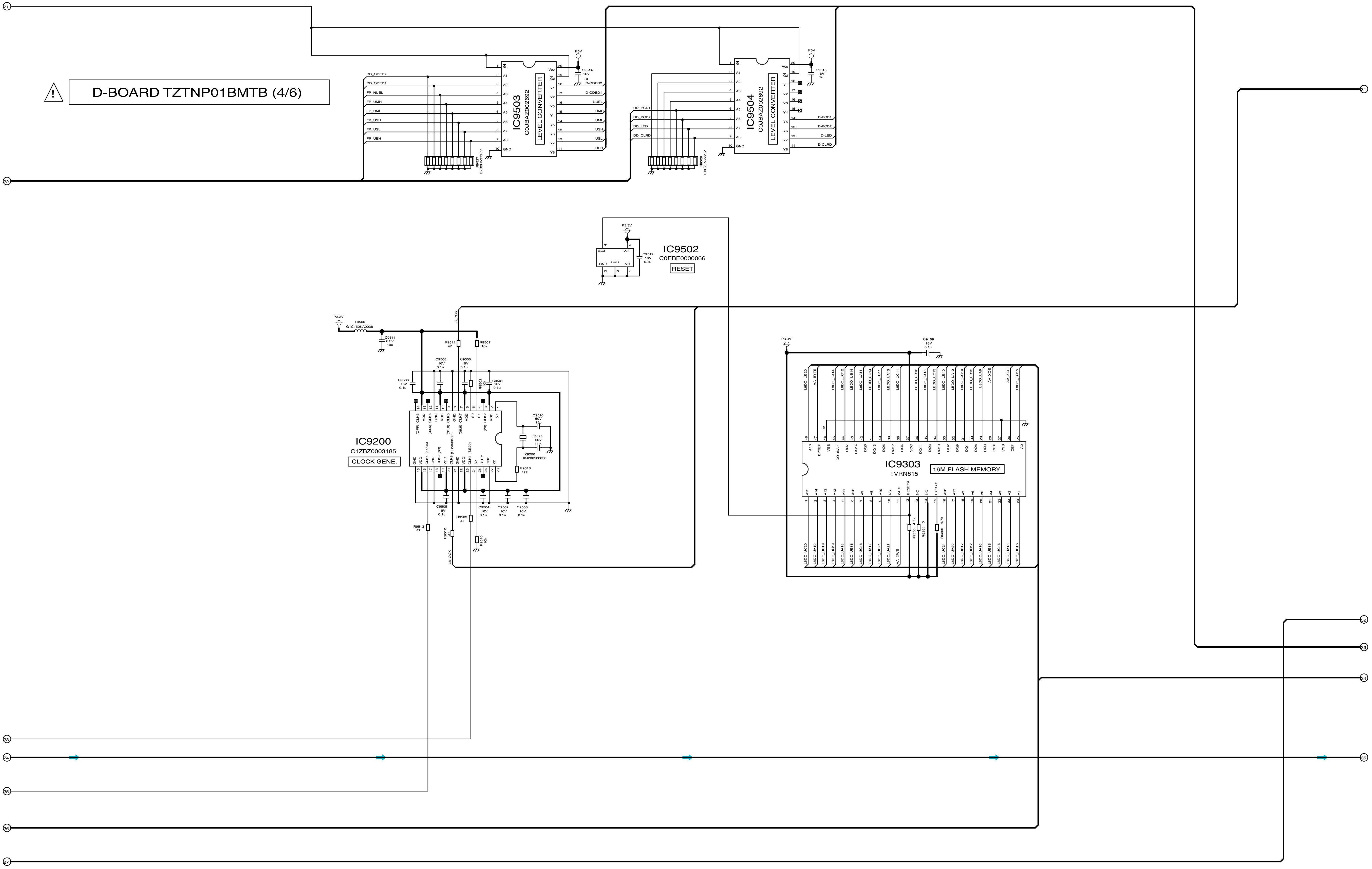

DDR-Terminate
DDR-SDRAM
IC9901
C3ABQJ000051
DDR SDRAM(128M)
L8R2.5V
VREF
VDDQ
VDD
VSSQ
VSS
VSS_Thermal
NC

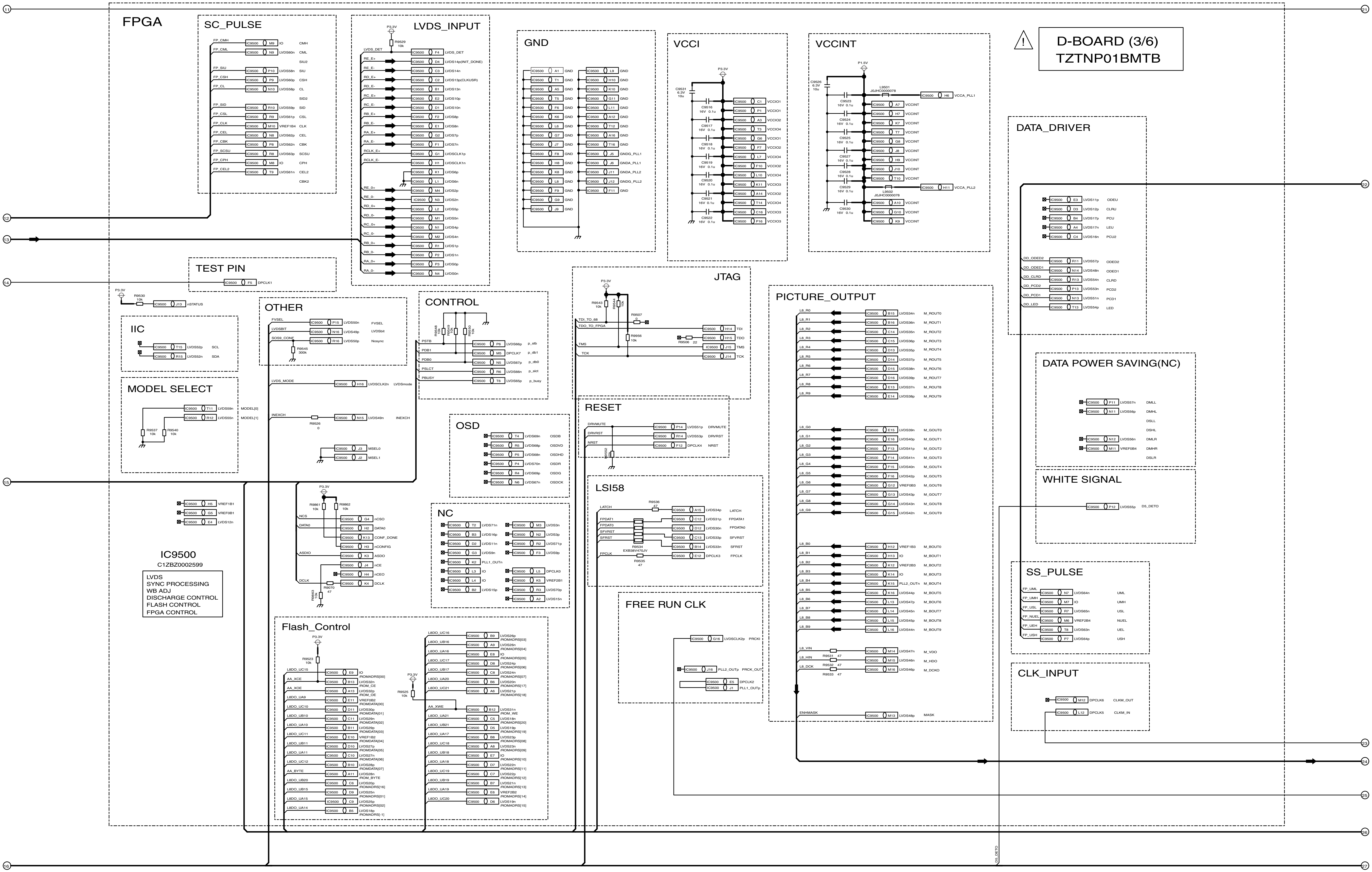
D-BOARD TZTNP01BMTB (5/6)


IC9900
MN84521-A
FORMAT CONVERTER
RGB PROCESSOR
to DDR
IIC
Q9301
B1ABCF000138
Q9302
B1ABCF000138
Q9300
B1ABCF000138
FL9900
FL9901
FL9902
FL9903
FL9904
FL9300
FL9301
D31
TO
C1-BOARD
(C11)
DOWN_LEFT
D32
TO
C2-BOARD
(C21)
DOWN_RIGHT
ZA9001
K4CD01000011

TH-37/42PA60E, TH-37/42PD60B D-Board (5 of 6) Schematic Diagram

TH-37/42PA60E, TH-37/42PD60B
D-Board (5 of 6) Schematic Diagram

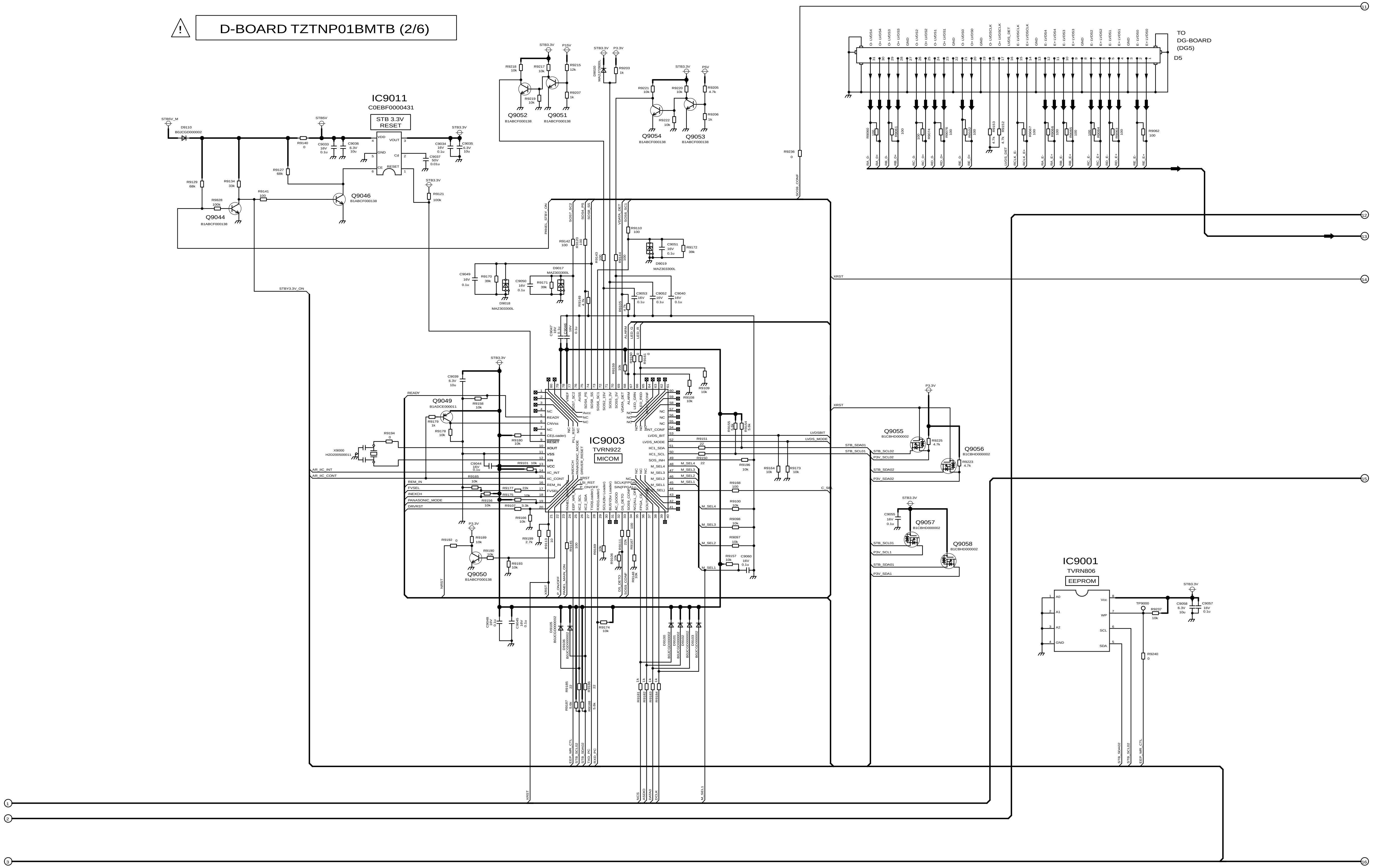

D-BOARD TZTNP01BMTB (4/6)
IC9503
C0JBAZ002692
LEVEL CONVERTER
IC9504
C0JBAZ002692
LEVEL CONVERTER
IC9502
C0EBE0000066
RESET
IC9200
C1ZBZ0003185
CLOCK GENE.
IC9303
TVRN815
16M FLASH MEMORY
DD_ODED2
DD_ODED1
FP_NUEL
FP_UMH
FP_UML
FP_USH
FP_USL
FP_UEH
D-ODED2
D-ODED1
NUEL
UMH
UML
USH
USL
UEH
DD_PCD1
DD_PCD2
DD_LED
DD_CLRD
D-PCD1
D-PCD2
D-LED
D-CLRD
P5V
P3.3V
C9514
C9515
C9512
C9511
L9500
G1C150KA0038
R9511
R9501
C9508
C9500
C9506
C9501
R9502
C9510
C9509
X9200
H0J200500038
R9518
C9505
C9504
C9502
C9503
R9503
R9513
R9512
R9516
R9527
R9528
C9469
R9305
R9304
R9306
LB_PCK
LB_DCK
21
22
23
24
25
26
27
31
32
33
34
35


D-BOARD (3/6)
TZTNP01BMTB
FPGA
SC_PULSE
LVDS_INPUT
GND
VCCI
VCCINT
DATA_DRIVER
TEST PIN
IIC
MODEL SELECT
OTHER
CONTROL
JTAG
PICTURE_OUTPUT
RESET
OSD
LSI58
DATA POWER SAVING(NC)
WHITE SIGNAL
NC
IC9500
C1ZBZ0002599
LVDS
SYNC PROCESSING
WB ADJ
DISCHARGE CONTROL
FLASH CONTROL
FPGA CONTROL
FREE RUN CLK
SS_PULSE
CLK_INPUT
Flash_Control
P3.3V
P1.5V
11
12
13
14
15
16
21
22
23
24
25
26
27

TH-37/42PA60E, TH-37/42PD60B
D-Board (3 of 6) Schematic Diagram

TH-37/42PA60E, TH-37/42PD60B
D-Board (3 of 6) Schematic Diagram

D-BOARD TZTNP01BMTB (2/6)

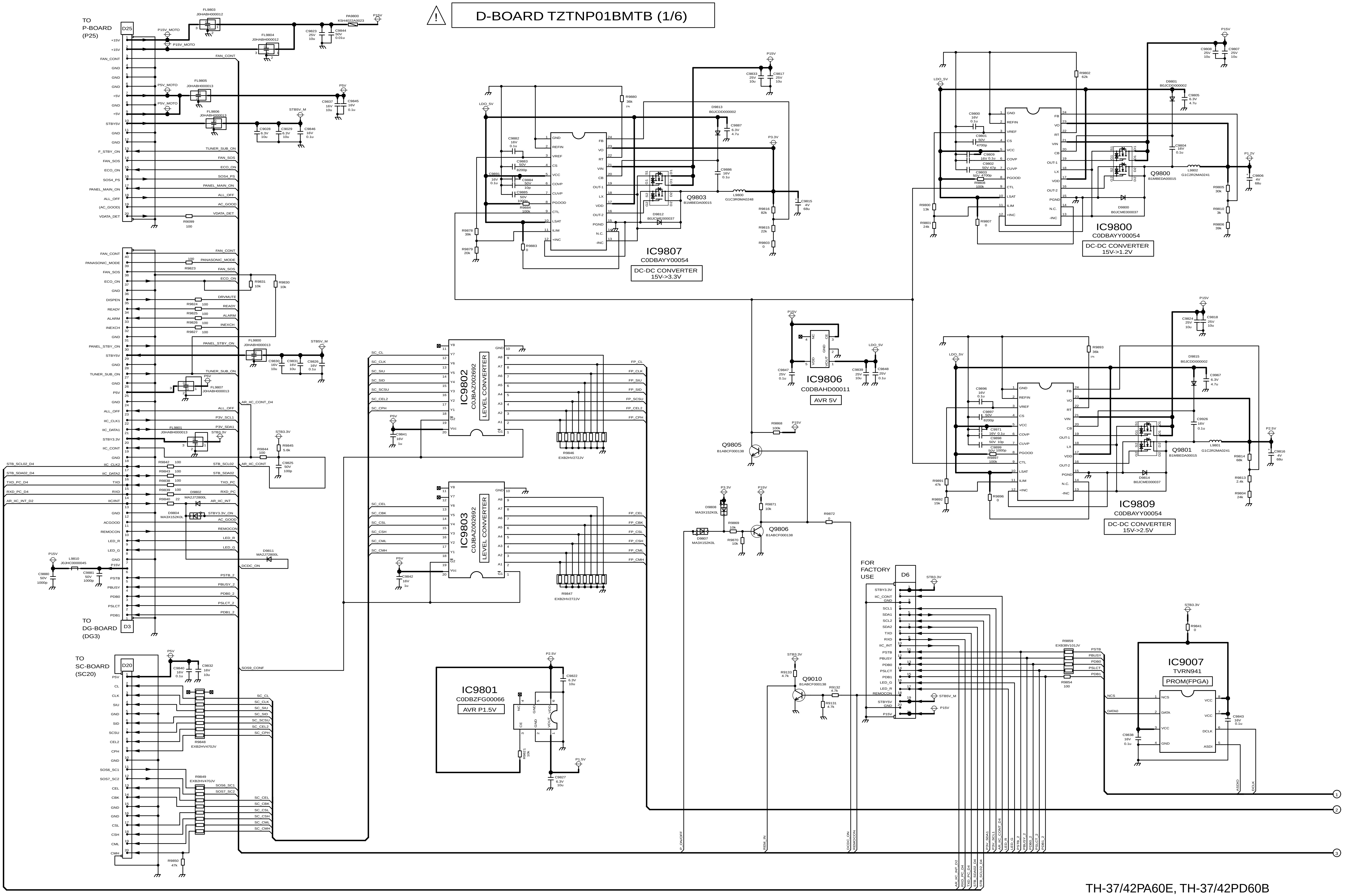

IC9011
C0EBF0000431
STB 3.3V
RESET
IC9003
TVRN922
MICOM
IC9001
TVRN806
EEPROM
Q9044
Q9046
Q9049
Q9050
Q9051
Q9052
Q9053
Q9054
Q9055
Q9056
Q9057
Q9058
X9000
TO
DG-BOARD
(DG5)
D5
STB5V_M
STB5V
STB3.3V
P3.3V
P5V
P15V
XRST
STBY3.3V_ON
AR_IIC_INT
AR_IIC_CONT
REM_IN
FVSEL
INEXCH
PANASONIC_MODE
DRVRST
LVDSBIT
LVDS_MODE
STB_SDA01
STB_SCL01
STB_SCL02
P3V_SCL02
STB_SDA02
P3V_SDA02
P3V_SCL1
P3V_SDA1
C_SEL
M_SEL1
M_SEL2
M_SEL3
M_SEL4
SOS9_CONF
EEP_WR_CTL
NCS
CCLK
1
2
3
11
12
13
14
15
16

TH-37/42PA60E, TH-37/42PD60B
D-Board (2 of 6) Schematic Diagram

TH-37/42PA60E, TH-37/42PD60B
D-Board (2 of 6) Schematic Diagram

10 11 12 13 14 15 16 17 18

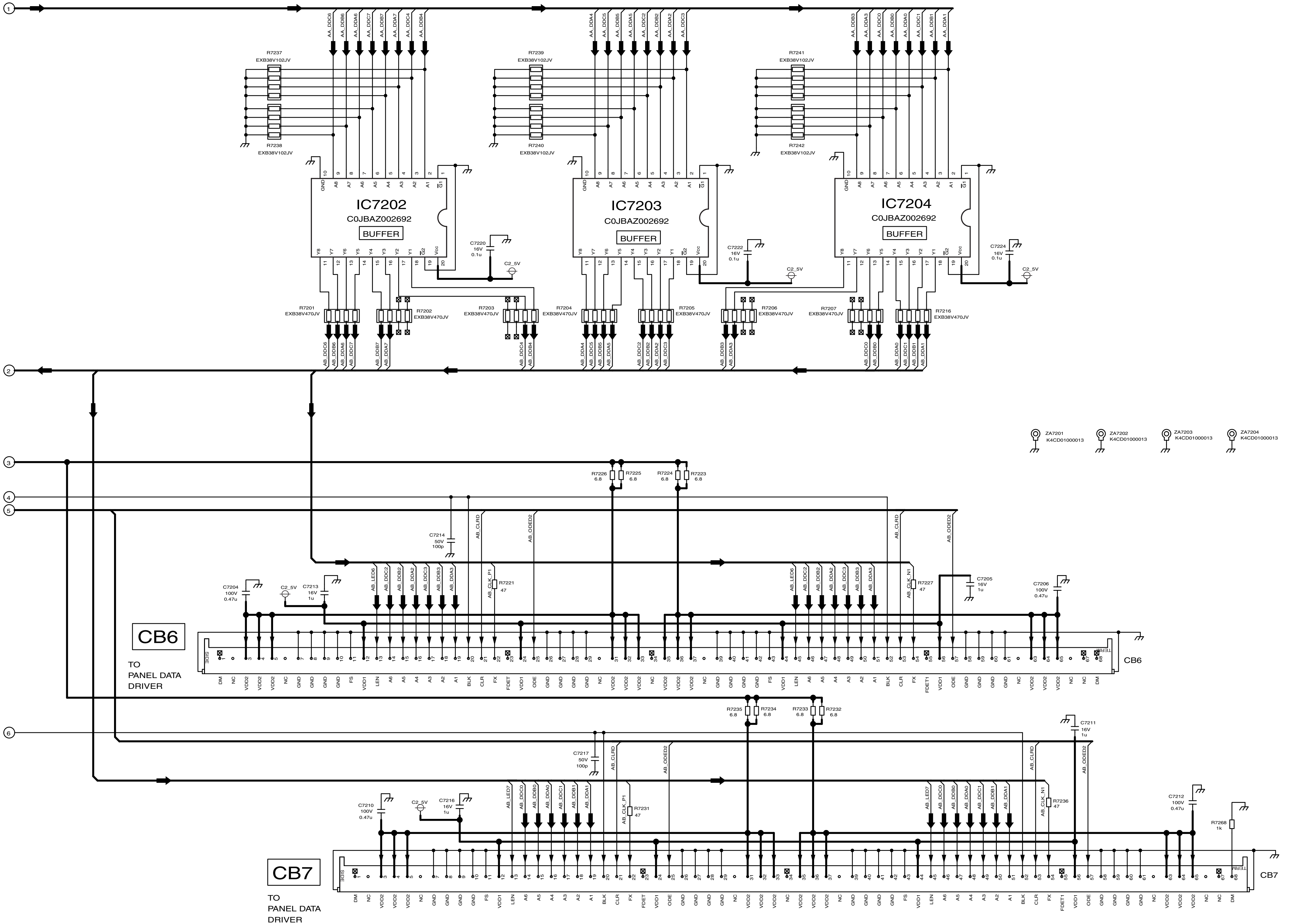
D-BOARD TZTNP01BMTB (1/6)

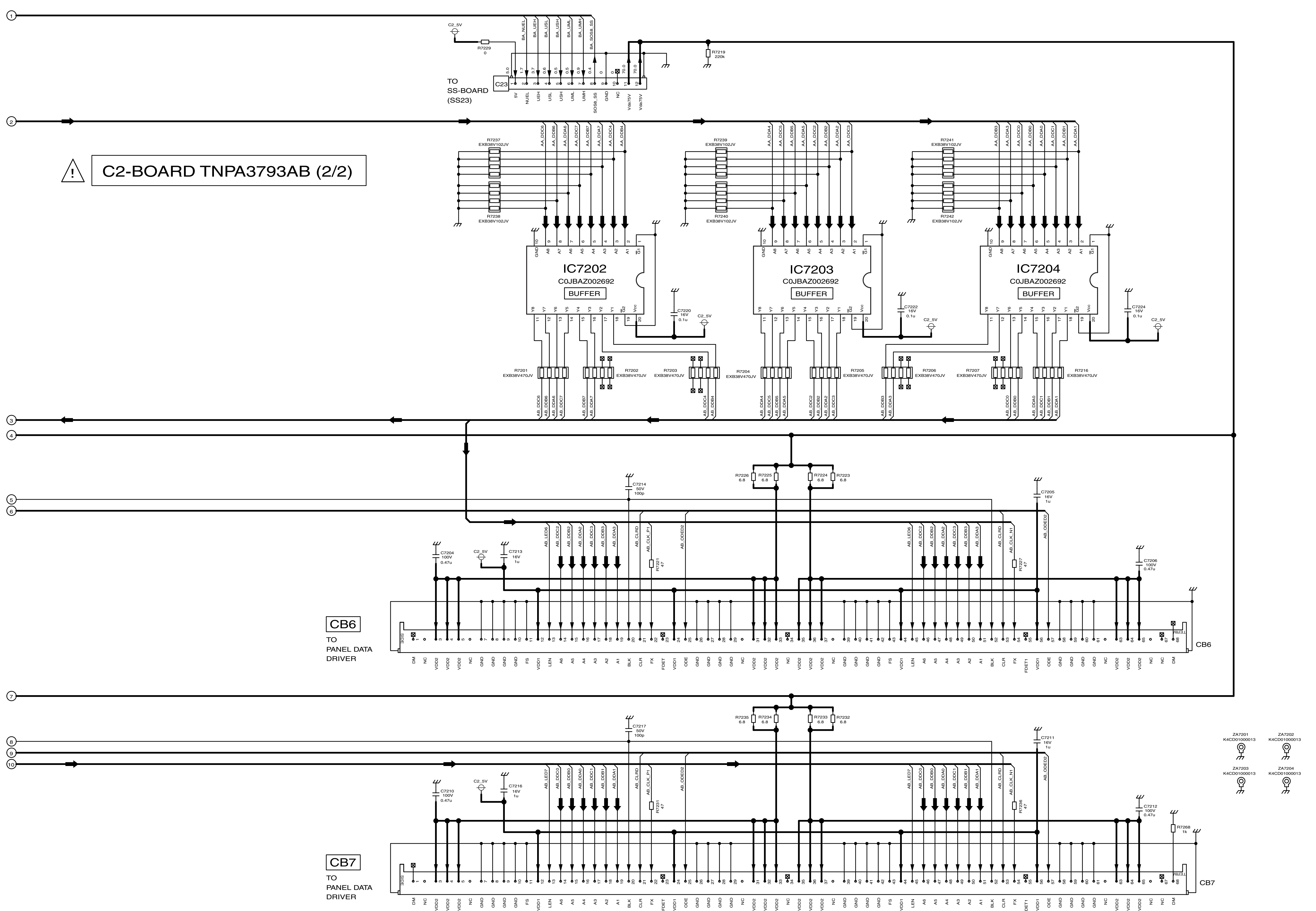

TO P-BOARD (P25)
D25
+15V
FAN_CONT
GND
+5V
STBY5V
F_STBY_ON
FAN_SOS
ECO_ON
SOS4_PS
PANEL_MAIN_ON
ALL_OFF
(AC_GOOD)
VDATA_DET
R9099 100
P15V_MOTO
P5V_MOTO
FL9803 J0HABH000012
FL9804 J0HABH000012
FL9805 J0HABH000013
FL9806 J0HABH000013
PA9800 K5H4022A0023
P15V
P5V
STB5V_M
C9823 25V 10u
C9844 50V 0.01u
C9837 16V 10u
C9845 16V 0.1u
C9028 6.3V 10u
C9029 6.3V 10u
C9846 16V 0.1u
PANASONIC_MODE
DISPEN
READY
ALARM
INEXCH
PANEL_STBY_ON
TUNER_SUB_ON
DRVMUTE
R9823
R9824 100
R9825 100
R9826 100
R9827 100
R9831 10k
R9830 10k
FL9800 J0HABH000013
C9830 16V 10u
C9831 16V 10u
C9826 16V 0.1u
FL9807 J0HABH000013
AR_IIC_CONT_D4
P3V_SCL1
P3V_SDA1
FL9801 J0HABH000013
STB3.3V
IIC_CLK1
IIC_DATA1
STBY3.3V
IIC_CONT
R9844 100
R9845 5.6k
C9825 50V 100p
STB_SCL02_D4
STB_SDA02_D4
TXD_PC_D4
RXD_PC_D4
AR_IIC_INT_D2
IIC_CLK2
IIC_DATA2
TXD
RXD
IIC/INT
R9842 100
R9843 100
R9838 100
R9839 100
R9840 22
D9802 MA2J72800L
D9804 MA3X152K0L
AR_IIC_INT
STB_SCL02
STB_SDA02
TXD_PC
RXD_PC
STBY3.3V_ON
ACGOOD
REMOCON
LED_R
LED_G
D9811 MA2J72800L
DCDC_ON
L9810 J0JHC0000045
C9880 50V 1000p
C9881 50V 1000p
PSTB
PBUSY
PDB0
PSLCT
PDB1
PSTB_2
PBUSY_2
PDB0_2
PSLCT_2
PDB1_2
TO DG-BOARD (DG3)
D3
TO SC-BOARD (SC20)
D20
C9840 16V 0.1u
C9832 16V 10u
SOS9_CONF
CL
CLK
SIU
SID
SCSU
CEL2
CPH
SOS6_SC1
SOS7_SC2
CEL
CBK
CSL
CSH
CML
CMH
R9848 EXB2HV470JV
R9849 EXB2HV470JV
SC_CL
SC_CLK
SC_SIU
SC_SID
SC_SCSU
SC_CEL2
SC_CPH
SOS6_SC1
SOS7_SC2
SC_CEL
SC_CBK
SC_CSL
SC_CSH
SC_CML
SC_CMH
R9850 47k
IC9802 C0JBAZ002692 LEVEL CONVERTER
IC9803 C0JBAZ002692 LEVEL CONVERTER
C9841 16V 1u
C9842 16V 1u
FP_CL
FP_CLK
FP_SIU
FP_SID
FP_SCSU
FP_CEL2
FP_CPH
FP_CEL
FP_CBK
FP_CSL
FP_CSH
FP_CML
FP_CMH
R9846 EXB2HV272JV
R9847 EXB2HV272JV
IC9801 C0DBZFG00066 AVR P1.5V
P2.5V
P1.5V
C9822 6.3V 10u
C9827 6.3V 10u
R9851 10k
IC9807 C0DBAYY00054 DC-DC CONVERTER 15V->3.3V
LDO_5V
R9880 36k
C9882 16V 0.1u
C9883 50V 8200p
C9891 16V 0.1u
C9884 50V 10p
C9885 50V 1000p
R9884 100k
R9878 39k
R9879 20k
R9883 0
C9833 25V 10u
C9817 25V 10u
D9813 B0JCDD000002
C9887 6.3V 4.7u
C9886 16V 0.1u
Q9803 B1MBEDA00015
D9812 B0JCME000037
L9800 G1C3R0MA0248
P3.3V
R9818 82k
R9815 22k
R9803 0
C9815 4V 68u
GND REFIN VREF CS VCC COVP CUVP PGOOD CTL LSAT ILIM +INC
FB VO RT VIN CB OUT-1 LX VDD OUT-2 PGND N.C. -INC
IC9806 C0DBAHD00011 AVR 5V
C9847 25V 0.1u
C9839 25V 10u
C9848 25V 0.1u
R9868 100k
Q9805 B1ABCF000138
D9808 MA3X152K0L
D9807 MA3X152K0L
R9869 10k
R9870 10k
R9871 10k
Q9806 B1ABCF000138
R9872 0
R9133 4.7k
Q9010 B1ABCF000138
R9132 4.7k
R9131 4.7k
FOR FACTORY USE
D6
STBY3.3V
IIC_CONT
SCL1
SDA1
SCL2
SDA2
IIC_INT
PSTB
PBUSY
PDB0
PSLCT
PDB1
LED_G
LED_R
REMOCON
STBY5V
P15V
STB5V_M
R9859 EXB38V101JV
R9854 100
IC9800 C0DBAYY00054 DC-DC CONVERTER 15V->1.2V
R9802 62k
C9808 25V 10u
C9807 25V 10u
D9801 B0JCDD000002
C9805 6.3V 4.7u
C9800 16V 0.1u
C9801 50V 4700p
C9809 16V 0.1u
C9802 50V 47p
C9803 50V 4700p
R9808 100k
R9800 13k
R9801 24k
R9807 0
C9804 16V 0.1u
Q9800 B1MBEDA00015
L9802 G1C2R2MA0241
D9800 B0JCME000037
P1.2V
C9806 4V 68u
R9805 30k
R9810 3k
R9806 39k
IC9809 C0DBAYY00054 DC-DC CONVERTER 15V->2.5V
R9893 36k
C9824 25V 10u
C9818 25V 10u
D9815 B0JCDD000002
C9967 6.3V 4.7u
C9896 16V 0.1u
C9897 50V 8200p
C9971 16V 0.1u
C9898 50V 10p
C9899 50V 1000p
R9897 100k
R9891 47k
R9892 15k
R9896 0
C9926 16V 0.1u
Q9801 B1MBEDA00015
L9801 G1C2R2MA0241
D9814 B0JCME000037
P2.5V
C9816 4V 68u
R9814 68k
R9813 2.4k
R9804 24k
IC9007 TVRN941 PROM(FPGA)
R9841 0
NCS
DATA0
VCC
GND
DCLK
ASDI
C9838 16V 0.1u
C9843 16V 0.1u
P_ON/OFF
REM_IN
DCDC_ON
REMOCON

TH-37/42PA60E, TH-37/42PD60B D-Board (1 of 6) Schematic Diagram

TH-37/42PA60E, TH-37/42PD60B
D-Board (1 of 6) Schematic Diagram

⚠ C2-BOARD TNPA3800AB (2/2)

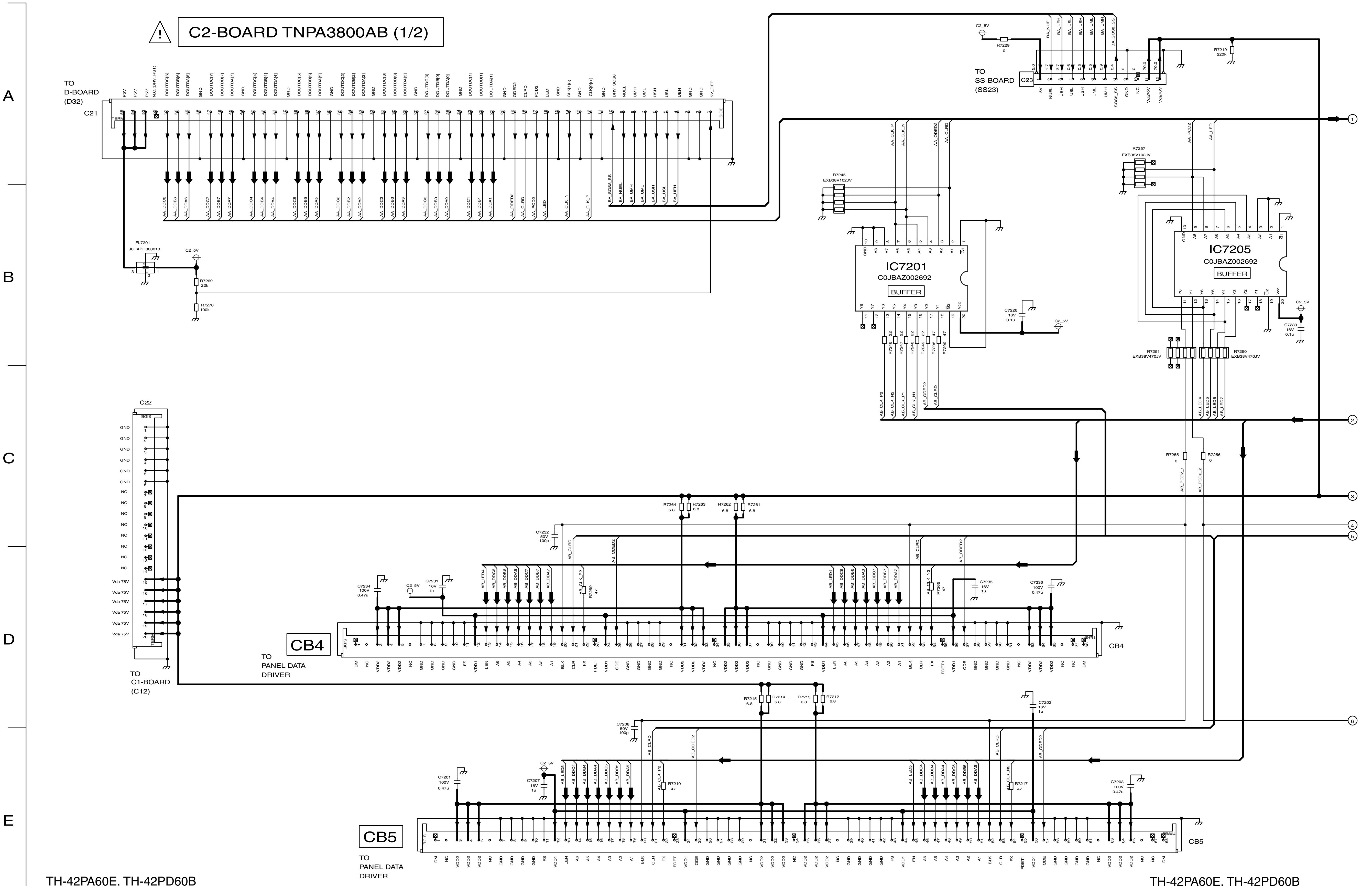

①
②
③
④
⑤
⑥
R7237
EXB38V102JV
R7238
EXB38V102JV
R7239
EXB38V102JV
R7240
EXB38V102JV
R7241
EXB38V102JV
R7242
EXB38V102JV
IC7202
C0JBAZ002692
BUFFER
IC7203
C0JBAZ002692
BUFFER
IC7204
C0JBAZ002692
BUFFER
C7220
16V
0.1u
C7222
16V
0.1u
C7224
16V
0.1u
C2_5V
R7201
EXB38V470JV
R7202
EXB38V470JV
R7203
EXB38V470JV
R7204
EXB38V470JV
R7205
EXB38V470JV
R7206
EXB38V470JV
R7207
EXB38V470JV
R7216
EXB38V470JV
ZA7201
K4CD01000013
ZA7202
K4CD01000013
ZA7203
K4CD01000013
ZA7204
K4CD01000013
R7226
6.8
R7225
6.8
R7224
6.8
R7223
6.8
C7214
50V
100p
AB_CLRD
AB_ODED2
C7204
100V
0.47u
C7213
16V
1u
R7221
47
AB_CLK_P1
R7227
47
AB_CLK_N1
C7205
16V
1u
C7206
100V
0.47u
CB6
TO
PANEL DATA
DRIVER
R7235
6.8
R7234
6.8
R7233
6.8
R7232
6.8
C7211
16V
1u
C7217
50V
100p
C7210
100V
0.47u
C7216
16V
1u
R7231
47
R7236
47
C7212
100V
0.47u
R7268
1k
CB7
TO
PANEL DATA
DRIVER


C2-BOARD TNPA3793AB (2/2)
TO
SS-BOARD
(SS23)
C23
C2_5V
R7229
R7219 220k
BA_NUEL
BA_UEH
BA_USL
BA_USH
BA_UML
BA_UMH
BA_SOS8_SS
5V
NUEL
UEH
USL
USH
UML
UMH
SOS8_SS
GND
NC
Vda75V
R7237 EXB38V102JV
R7238 EXB38V102JV
R7239 EXB38V102JV
R7240 EXB38V102JV
R7241 EXB38V102JV
R7242 EXB38V102JV
IC7202
C0JBAZ002692
BUFFER
IC7203
C0JBAZ002692
BUFFER
IC7204
C0JBAZ002692
BUFFER
C7220 16V 0.1u
C7222 16V 0.1u
C7224 16V 0.1u
R7201 EXB38V470JV
R7202 EXB38V470JV
R7203 EXB38V470JV
R7204 EXB38V470JV
R7205 EXB38V470JV
R7206 EXB38V470JV
R7207 EXB38V470JV
R7216 EXB38V470JV
R7226 6.8
R7225 6.8
R7224 6.8
R7223 6.8
C7214 50V 100p
C7205 16V 1u
C7204 100V 0.47u
C7213 16V 1u
R7221 47
R7227 47
C7206 100V 0.47u
CB6
TO
PANEL DATA
DRIVER
R7235 6.8
R7234 6.8
R7233 6.8
R7232 6.8
C7217 50V 100p
C7211 16V 1u
C7210 100V 0.47u
C7216 16V 1u
R7231 47
R7236 47
C7212 100V 0.47u
R7268 1k
CB7
TO
PANEL DATA
DRIVER
ZA7201 K4CD01000013
ZA7202 K4CD01000013
ZA7203 K4CD01000013
ZA7204 K4CD01000013

TH-37PA60E, TH-37PD60B
C2-Board (2 of 2) Schematic Diagram

TH-37PA60E, TH-37PD60B C2-Board (2 of 2) Schematic Diagram

C2-BOARD TNPA3800AB (1/2)

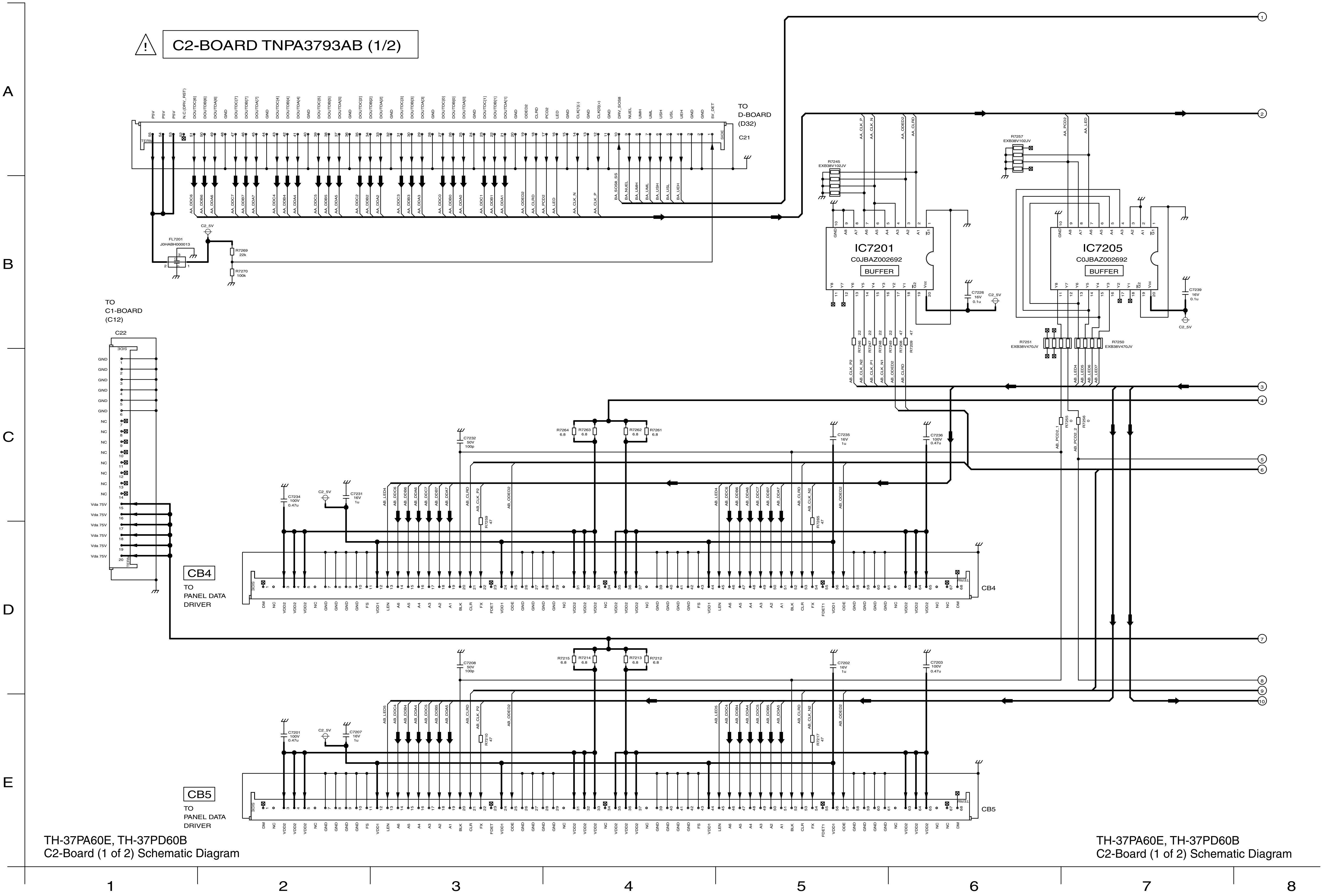


A
B
C
D
E
1
2
3
4
5
6
7
8
TO D-BOARD (D32)
C21
TERM
SIDE
P5V
N.C.(DRV_RST)
GND
ODED2
CLRD
PCD2
LED
CLK(1)(-)
CLK(0)(+)
DRV_SOS8
NUEL
UMH
UML
USH
USL
UEH
5V_DET
AA_DDC6
AA_DDB6
AA_DDA6
AA_DDC7
AA_DDB7
AA_DDA7
AA_DDC4
AA_DDB4
AA_DDA4
AA_DDC5
AA_DDB5
AA_DDA5
AA_DDC2
AA_DDB2
AA_DDA2
AA_DDC3
AA_DDB3
AA_DDA3
AA_DDC0
AA_DDB0
AA_DDA0
AA_DDC1
AA_DDB1
AA_DDA1
AA_ODED2
AA_CLRD
AA_PCD2
AA_LED
AA_CLK_N
AA_CLK_P
BA_SOS8_SS
BA_NUEL
BA_UMH
BA_UML
BA_USH
BA_USL
BA_UEH
FL7201
J0HABH000013
C2_5V
R7269
22k
R7270
100k
TO SS-BOARD (SS23)
C23
R7229
0
R7219
220k
5V
NUEL
UEH
USL
USH
UML
UMH
SOS8_SS
NC
Vda70V
R7245
EXB38V102JV
R7257
EXB38V102JV
IC7201
C0JBAZ002692
BUFFER
IC7205
C0JBAZ002692
BUFFER
C7226
16V
0.1u
C7239
16V
0.1u
R7246
R7247
R7248
R7249
R7208
R7209
22
47
R7251
EXB38V470JV
R7250
EXB38V470JV
AB_CLK_P2
AB_CLK_N2
AB_CLK_P1
AB_CLK_N1
AB_ODED2
AB_CLRD
AA_PCD2
AA_LED
AB_LED4
AB_LED5
AB_LED6
AB_LED7
R7255
0
R7256
0
AB_PCD2_1
AB_PCD2_2
C22
GND
NC
Vda 75V
TO C1-BOARD (C12)
R7264
R7263
R7262
R7261
6.8
C7232
50V
100p
C7234
100V
0.47u
C7231
16V
1u
R7259
47
R7265
47
C7235
16V
1u
C7236
100V
0.47u
AB_DDC6
AB_DDB6
AB_DDA6
AB_DDC7
AB_DDB7
AB_DDA7
CB4
TO PANEL DATA DRIVER
DM
VDD2
FS
VDD1
LEN
A6
A5
A4
A3
A2
A1
BLK
CLR
FX
FDET
FDET1
ODE
R7215
R7214
R7213
R7212
C7202
16V
1u
C7208
50V
100p
C7201
100V
0.47u
C7207
16V
1u
R7210
47
R7217
47
C7203
100V
0.47u
AB_DDC4
AB_DDB4
AB_DDA4
AB_DDC5
AB_DDB5
AB_DDA5
CB5
TO PANEL DATA DRIVER

TH-42PA60E, TH-42PD60B
C2-Board (1 of 2) Schematic Diagram

TH-42PA60E, TH-42PD60B
C2-Board (1 of 2) Schematic Diagram

C2-BOARD TNPA3793AB (1/2)

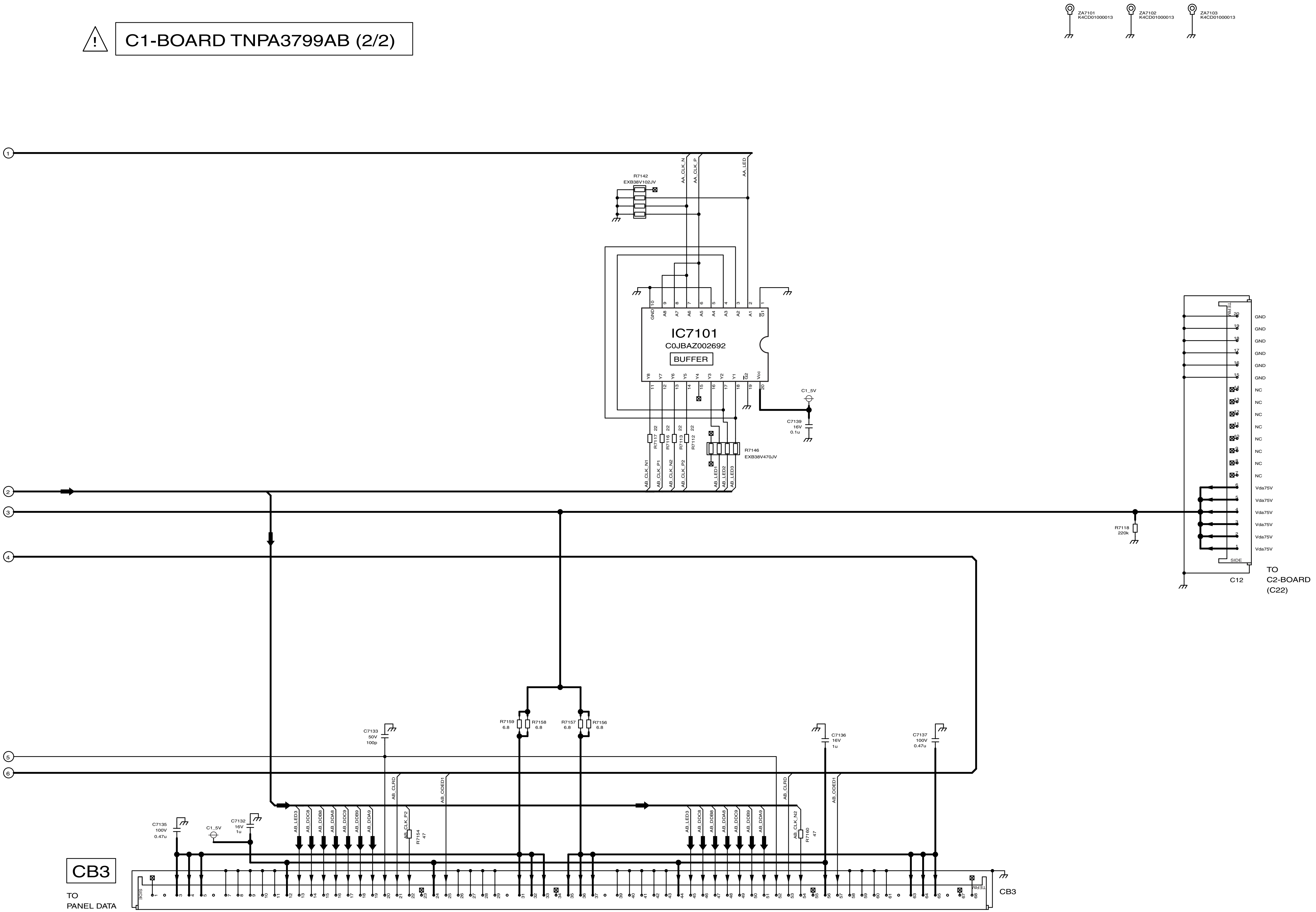


TO
D-BOARD
(D32)
C21
TO
C1-BOARD
(C12)
C22
IC7201
C0JBAZ002692
BUFFER
IC7205
C0JBAZ002692
BUFFER
R7245
EXB38V102JV
R7257
EXB38V102JV
R7251
EXB38V470JV
R7250
EXB38V470JV
FL7201
J0HABH000013
R7269
22k
R7270
100k
C7226
16V
0.1u
C7239
16V
0.1u
C2_5V
CB4
TO
PANEL DATA
DRIVER
CB5
TO
PANEL DATA
DRIVER
C7232
50V
100p
C7235
16V
1u
C7236
100V
0.47u
C7234
100V
0.47u
C7231
16V
1u
C7208
50V
100p
C7202
16V
1u
C7203
100V
0.47u
C7201
100V
0.47u
C7207
16V
1u
R7264
6.8
R7263
6.8
R7262
6.8
R7261
6.8
R7215
6.8
R7214
6.8
R7213
6.8
R7212
6.8
R7255
0
R7256
0
A
B
C
D
E
1
2
3
4
5
6
7
8

TH-37PA60E, TH-37PD60B
C2-Board (1 of 2) Schematic Diagram

TH-37PA60E, TH-37PD60B
C2-Board (1 of 2) Schematic Diagram

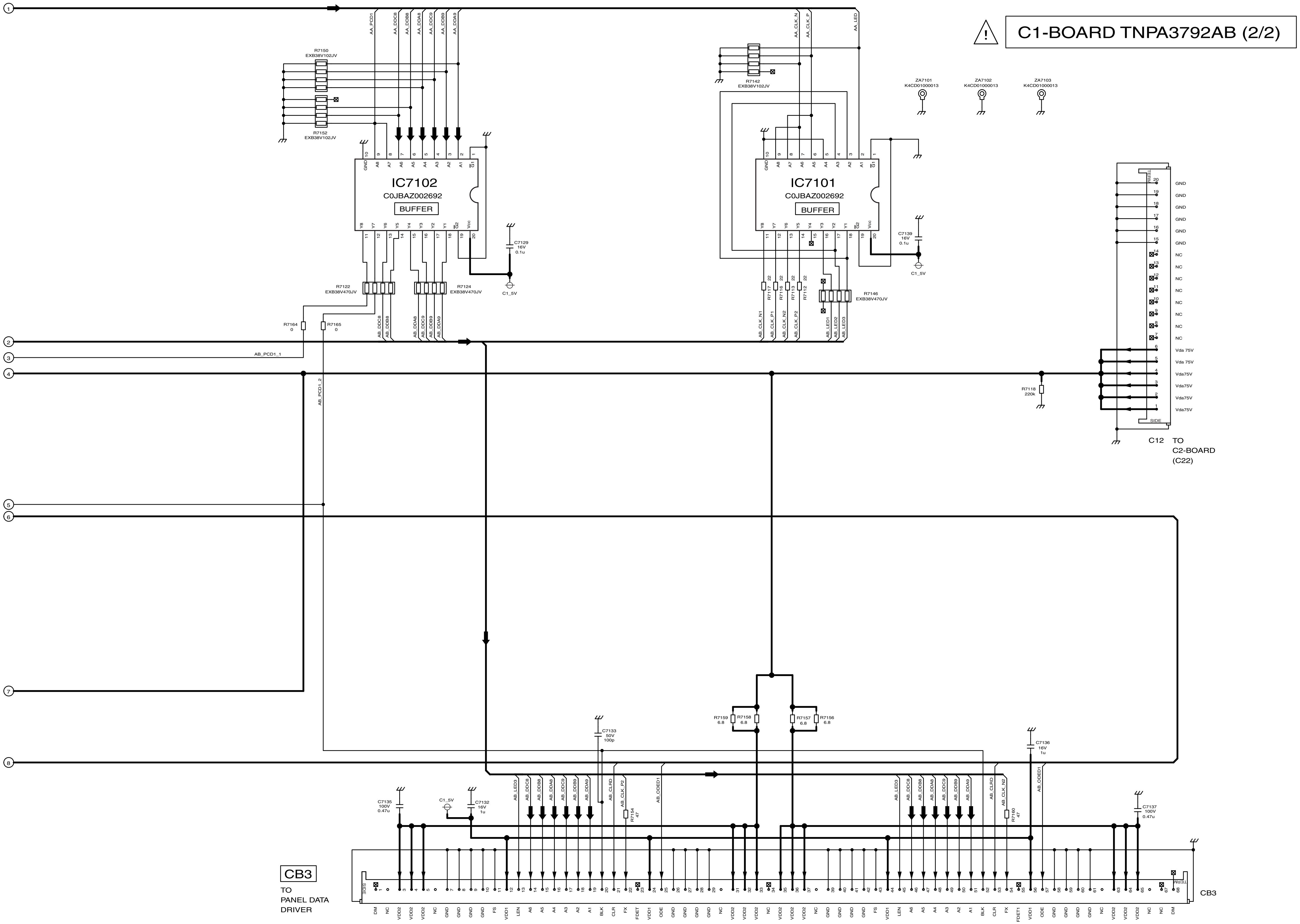
⚠ C1-BOARD TNPA3799AB (2/2)


ZA7101 K4CD01000013
ZA7102 K4CD01000013
ZA7103 K4CD01000013
①
②
③
④
⑤
⑥
R7142 EXB38V102JV
AA_CLK_N
AA_CLK_P
AA_LED
IC7101
C0JBAZ002692
BUFFER
GND 10
A8 9
A7 8
A6 7
A5 6
A4 5
A3 4
A2 3
A1 2
G1 1
Y8 11
Y7 12
Y6 13
Y5 14
Y4 15
Y3 16
Y2 17
Y1 18
G2 19
Vcc 20
C1_5V
C7139 16V 0.1u
R7117 22
R7116 22
R7113 22
R7112 22
R7146 EXB38V470JV
AB_CLK_N1
AB_CLK_P1
AB_CLK_N2
AB_CLK_P2
AB_LED1
AB_LED2
AB_LED3
R7118 220k
TERM
20 GND
19 GND
18 GND
17 GND
16 GND
15 GND
14 NC
13 NC
12 NC
11 NC
10 NC
9 NC
8 NC
7 NC
6 Vda75V
5 Vda75V
4 Vda75V
3 Vda75V
2 Vda75V
1 Vda75V
SIDE
C12
TO
C2-BOARD
(C22)
R7159 6.8
R7158 6.8
R7157 6.8
R7156 6.8
C7133 50V 100p
C7136 16V 1u
C7137 100V 0.47u
C7135 100V 0.47u
C1_5V
C7132 16V 1u
AB_CLRD
AB_ODED1
AB_LED3
AB_DDC8
AB_DDB8
AB_DDA8
AB_DDC9
AB_DDB9
AB_DDA9
AB_CLK_P2
R7154 47
AB_CLRD
AB_ODED1
AB_LED3
AB_DDC8
AB_DDB8
AB_DDA8
AB_DDC9
AB_DDB9
AB_DDA9
AB_CLK_N2
R7160 47
CB3
TO
PANEL DATA
DRIVER
SIDE
TERM
CB3
1 DM
2 NC
3 VDD2
4 VDD2
5 VDD2
6 NC
7 GND
8 GND
9 GND
10 GND
11 FS
12 VDD1
13 LEN
14 A6
15 A5
16 A4
17 A3
18 A2
19 A1
20 BLK
21 CLR
22 FX
23 FDET
24 VDD1
25 ODE
26 GND
27 GND
28 GND
29 GND
30 NC
31 VDD2
32 VDD2
33 VDD2
34 NC
35 VDD2
36 VDD2
37 VDD2
38 NC
39 GND
40 GND
41 GND
42 GND
43 FS
44 VDD1
45 LEN
46 A6
47 A5
48 A4
49 A3
50 A2
51 A1
52 BLK
53 CLR
54 FX
55 FDET1
56 VDD1
57 ODE
58 GND
59 GND
60 GND
61 GND
62 NC
63 VDD2
64 VDD2
65 VDD2
66 NC
67 NC
68 DM

TH-42PA60E, TH-42PD60B C1-Board (2 of 2) Schematic Diagram

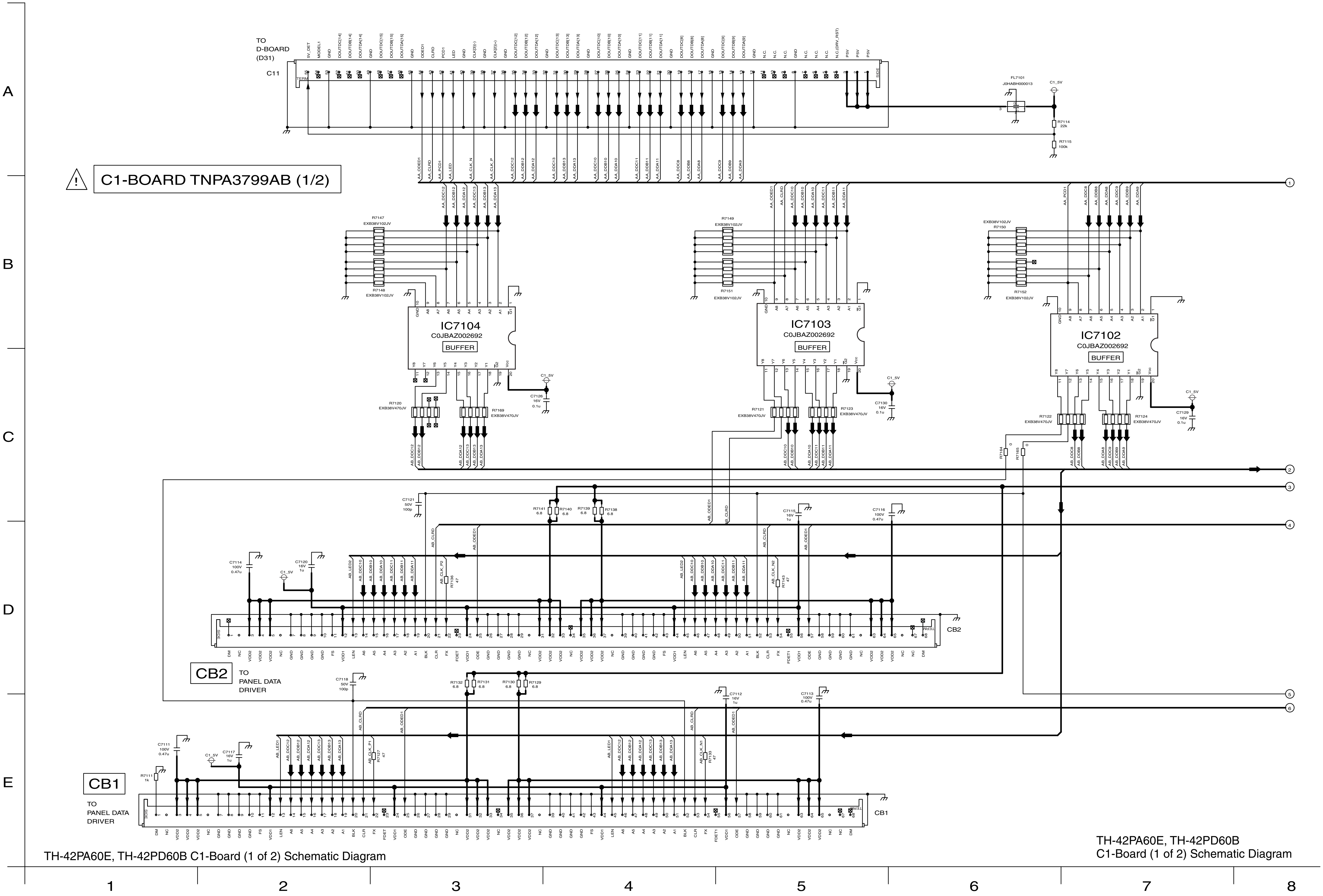
TH-42PA60E, TH-42PD60B
C1-Board (2 of 2) Schematic Diagram

C1-BOARD TNPA3792AB (2/2)


IC7102
C0JBAZ002692
BUFFER
IC7101
C0JBAZ002692
BUFFER
R7150
EXB38V102JV
R7152
EXB38V102JV
R7142
EXB38V102JV
R7122
EXB38V470JV
R7124
EXB38V470JV
R7146
EXB38V470JV
R7164
0
R7165
0
R7117
R7116
R7113
R7112
22
C7129
16V
0.1u
C7139
16V
0.1u
C1_5V
ZA7101
K4CD01000013
ZA7102
K4CD01000013
ZA7103
K4CD01000013
R7118
220k
C12
TO
C2-BOARD
(C22)
GND
NC
Vda 75V
Vda75V
SIDE
AA_PCD1
AA_DDC8
AA_DDB8
AA_DDA8
AA_DDC9
AA_DDB9
AA_DDA9
AA_CLK_N
AA_CLK_P
AA_LED
AB_DDC8
AB_DDB8
AB_DDA8
AB_DDC9
AB_DDB9
AB_DDA9
AB_CLK_N1
AB_CLK_P1
AB_CLK_N2
AB_CLK_P2
AB_LED1
AB_LED2
AB_LED3
AB_PCD1_1
AB_PCD1_2
AB_CLRD
AB_ODED1
R7159
6.8
R7158
6.8
R7157
6.8
R7156
6.8
C7133
50V
100p
C7136
16V
1u
C7135
100V
0.47u
C7132
16V
1u
C7137
100V
0.47u
R7154
47
R7160
47
CB3
TO
PANEL DATA
DRIVER
CB3
DM
NC
VDD2
GND
FS
VDD1
LEN
A6
A5
A4
A3
A2
A1
BLK
CLR
FX
FDET
ODE
FDET1
1
2
3
4
5
6
7
8

TH-37PA60E, TH-37PD60B
C1-Board (2 of 2) Schematic Diagram

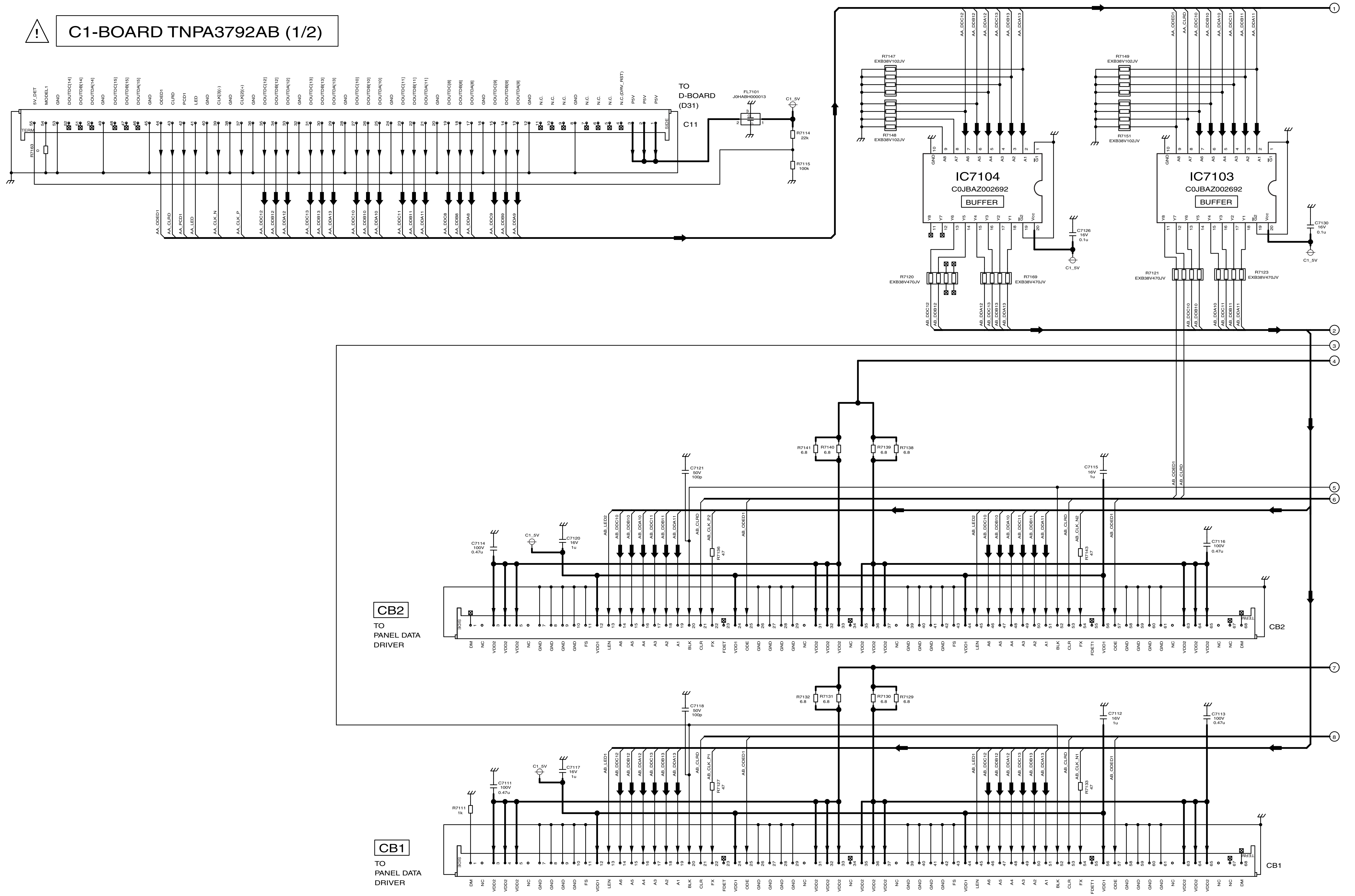
C1-BOARD TNPA3799AB (1/2)


TO
D-BOARD
(D31)
C11
TERM
FL7101
J0HABH000013
C1_5V
R7114
22k
R7115
100k
R7147
EXB38V102JV
R7148
EXB38V102JV
R7149
EXB38V102JV
R7151
EXB38V102JV
R7150
EXB38V102JV
R7152
EXB38V102JV
IC7104
C0JBAZ002692
BUFFER
IC7103
C0JBAZ002692
BUFFER
IC7102
C0JBAZ002692
BUFFER
R7120
EXB38V470JV
R7169
EXB38V470JV
R7121
EXB38V470JV
R7123
EXB38V470JV
R7122
EXB38V470JV
R7124
EXB38V470JV
C7126
16V
0.1u
C7130
16V
0.1u
C7129
16V
0.1u
R7164
R7165
C7121
50V
100p
R7141
6.8
R7140
6.8
R7139
6.8
R7138
6.8
C7115
16V
1u
C7116
100V
0.47u
C7114
100V
0.47u
C7120
16V
1u
R7135
47
R7143
47
CB2
TO
PANEL DATA
DRIVER
C7118
50V
100p
R7132
6.8
R7131
6.8
R7130
6.8
R7129
6.8
C7112
16V
1u
C7113
100V
0.47u
C7111
100V
0.47u
R7111
1k
C7117
16V
1u
R7127
47
R7133
47
CB1
TO
PANEL DATA
DRIVER
A
B
C
D
E
1
2
3
4
5
6
7
8

TH-42PA60E, TH-42PD60B C1-Board (1 of 2) Schematic Diagram

TH-42PA60E, TH-42PD60B
C1-Board (1 of 2) Schematic Diagram

C1-BOARD TNPA3792AB (1/2)


TO
D-BOARD
(D31)
C11
FL7101
J0HABH000013
C1_5V
R7114
22k
R7115
100k
R7163
0
TERM
SIDE
R7147
EXB38V102JV
R7148
EXB38V102JV
R7149
EXB38V102JV
R7151
EXB38V102JV
IC7104
C0JBAZ002692
BUFFER
IC7103
C0JBAZ002692
BUFFER
C7126
16V
0.1u
C7130
16V
0.1u
R7120
EXB38V470JV
R7169
EXB38V470JV
R7121
EXB38V470JV
R7123
EXB38V470JV
R7141
6.8
R7140
6.8
R7139
6.8
R7138
6.8
C7121
50V
100p
C7115
16V
1u
C7114
100V
0.47u
C7120
16V
1u
C7116
100V
0.47u
R7136
47
R7143
47
CB2
TO
PANEL DATA
DRIVER
R7132
6.8
R7131
6.8
R7130
6.8
R7129
6.8
C7118
50V
100p
C7112
16V
1u
C7113
100V
0.47u
C7111
100V
0.47u
C7117
16V
1u
R7111
1k
R7127
47
R7133
47
CB1
TO
PANEL DATA
DRIVER
①
②
③
④
⑤
⑥
⑦
⑧
A
B
C
D
E
1
2
3
4
5
6
7
8

TH-37PA60E, TH-37PD60B
C1-Board (1 of 2) Schematic Diagram

TH-37PA60E, TH-37PD60B
C1-Board (1 of 2) Schematic Diagram

XV-BOARD (FOIL SIDE)
TNPA3740AN

6

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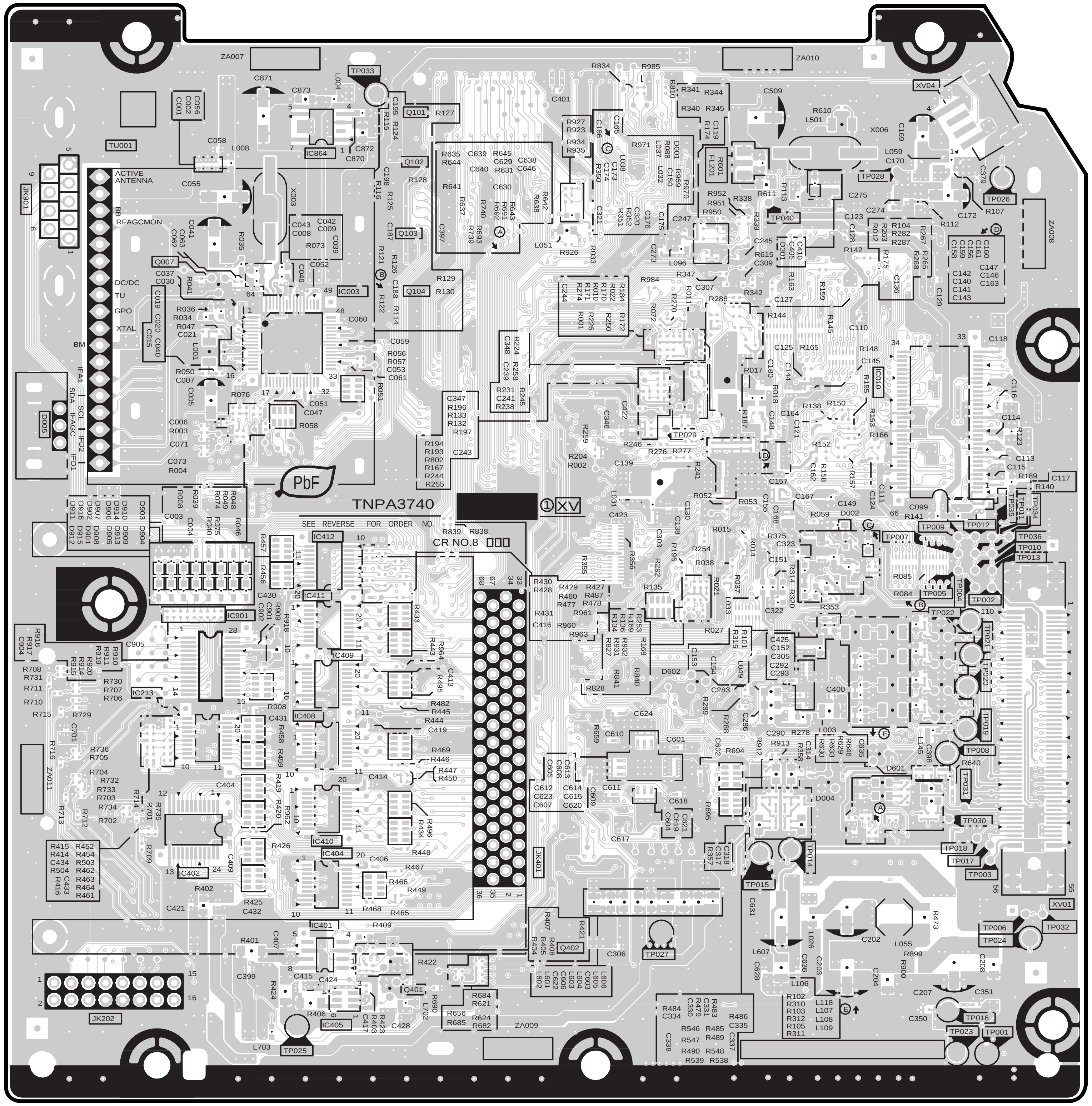
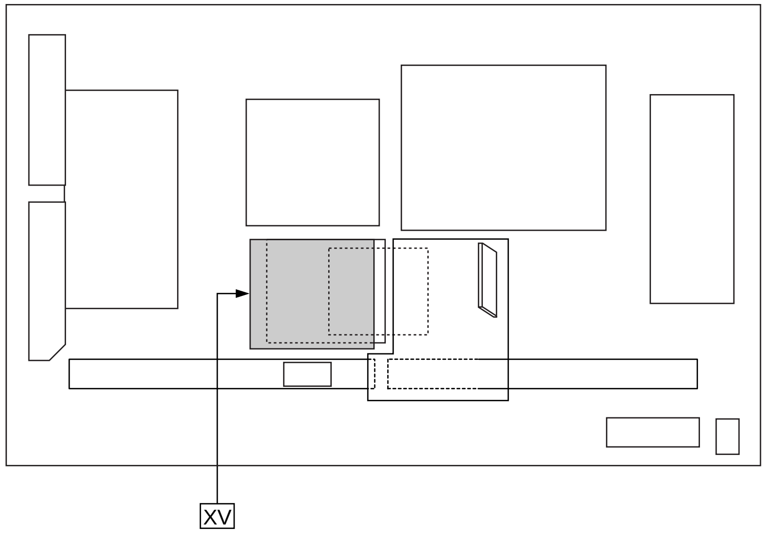
4

3

2

1


ACTIVE ANTENNA
RFAGCMON.
DC/DC
TU
GPO
XTAL
BM
IFA1
SDA
SCL
IFAGC
IFD2
IFD1
PbF
TNPA3740
①XV
SEE REVERSE FOR ORDER NO.
CR NO.8
ZA007
ZA010
ZA009
ZA011
JK202
JK401
JK901
XV01
XV04

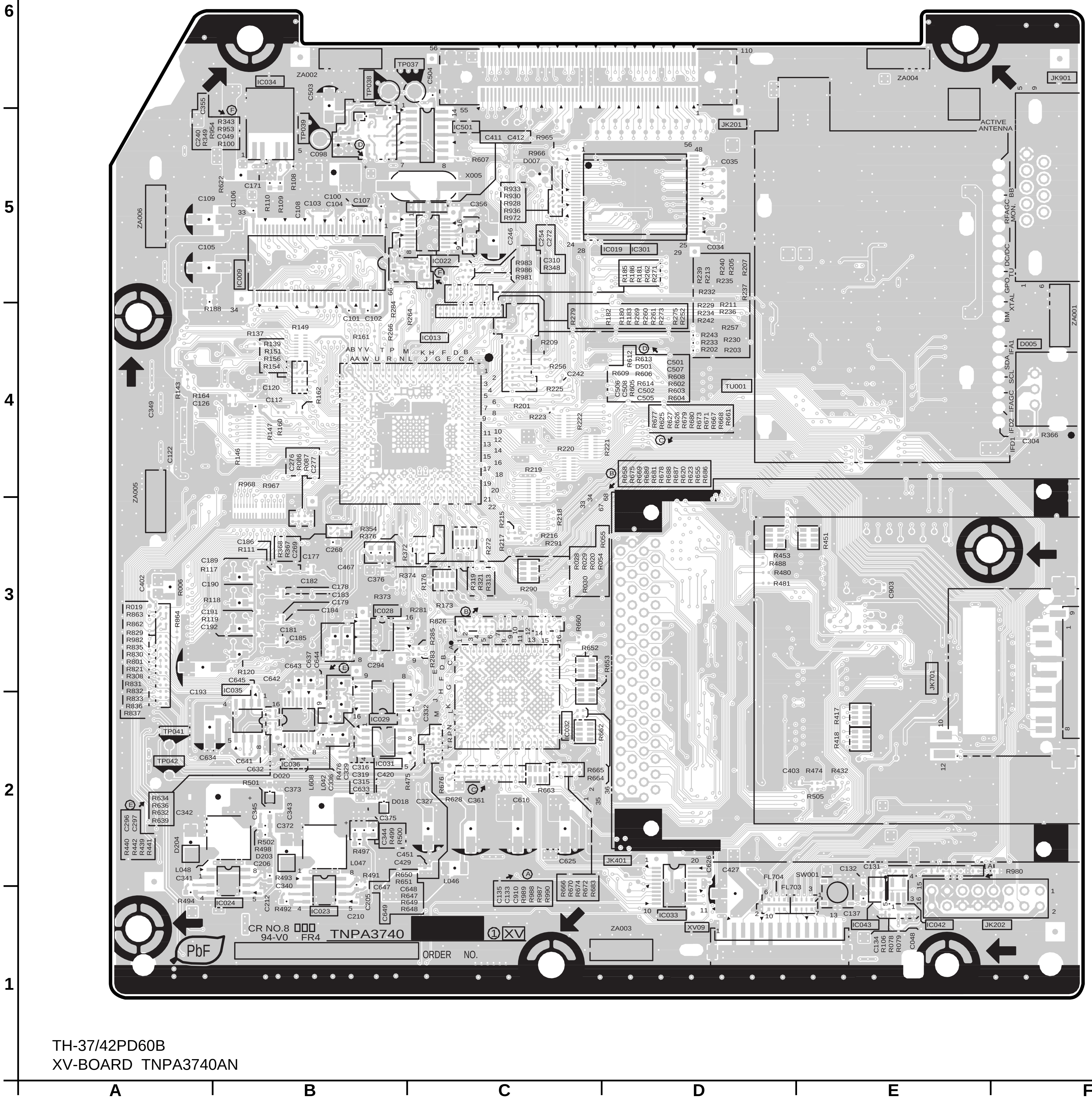


Parts Location

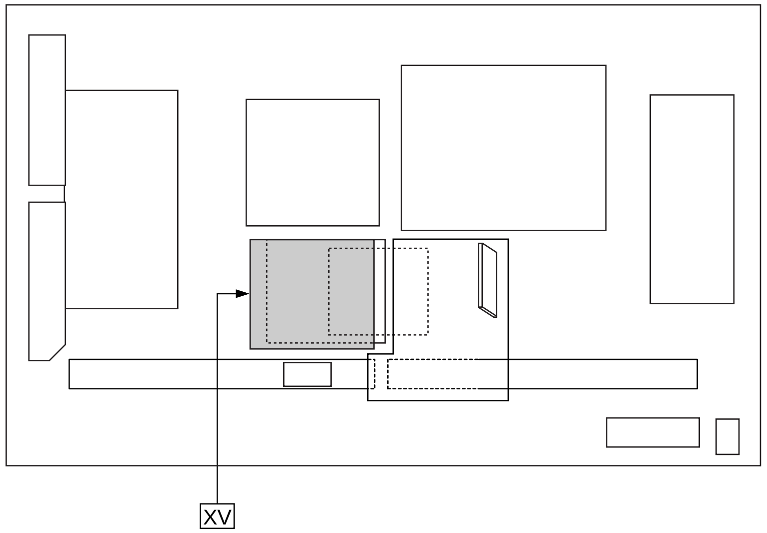
XV-BOARD (FOIL SIDE)	
IC	
IC8003	C-5
IC8010	E-4
IC8213	B-3
IC8401	B-2
IC8402	B-2
IC8404	B-2
IC8405	B-1
IC8408	B-3
IC8409	C-3
IC8410	B-2
IC8411	B-3
IC8412	B-4
IC8501	C-5
IC8864	B-5
IC8901	B-3
TRANSISTOR	
Q8007	B-5
Q8101	C-6
Q8102	C-5
Q8103	C-5
Q8104	C-5
Q8401	C-1
Q8402	D-2
TP	
TP8001	F-1
TP8002	E-3
TP8003	E-2
TP8004	E-3
TP8005	E-3
TP8006	F-2
TP8007	E-4
TP8008	E-3
TP8009	E-4
TP8010	F-4
TP8011	F-4
TP8012	E-4
TP8013	F-3
TP8014	E-2
TP8015	D-2
TP8016	E-1
TP8017	E-2
TP8018	E-2
TP8019	E-3
TP8020	E-3
TP8021	E-3
TP8022	E-3
TP8023	E-1
TP8024	F-2
TP8025	B-1
TP8026	F-5
TP8027	D-2
TP8028	E-5
TP8029	D-4
TP8030	E-2
TP8031	E-2
TP8032	F-2
TP8033	C-6
TP8034	F-4
TP8035	F-4
TP8036	F-4
TP8040	E-4

A B C D E F G H I

XV-BOARD (COMPONENT SIDE)
TNPA3740AN

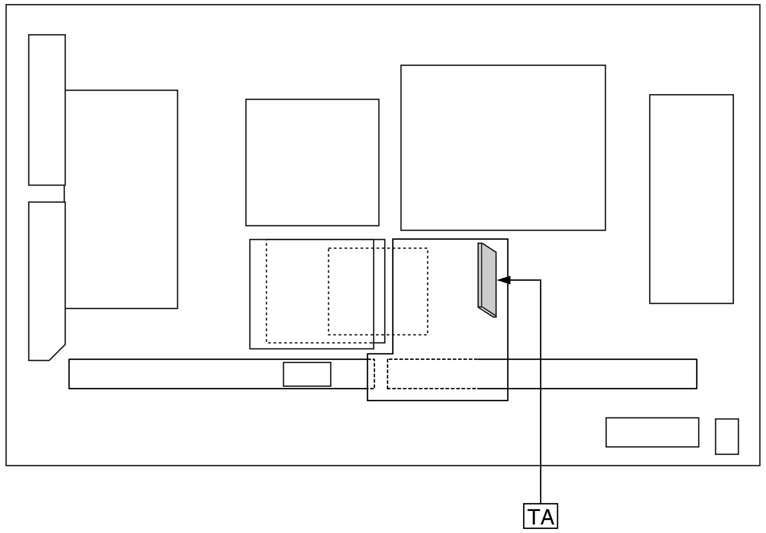


6
5
4
3
2
1
A
B
C
D
E
F
G
H
I
IC034
JK201
JK901
ZA004
ACTIVE ANTENNA
IC013
IC022
IC019
IC301
IC009
ZA006
ZA005
ZA001
TU001
IC035
IC036
IC029
IC031
IC028
IC032
IC024
IC023
IC033
IC043
IC042
JK202
JK401
JK701
XV09
TP041
TP042
TP037
TP038
TP039
ZA003
CR NO.8
94-V0 FR4 TNPA3740
①XV
ORDER NO.
PbF

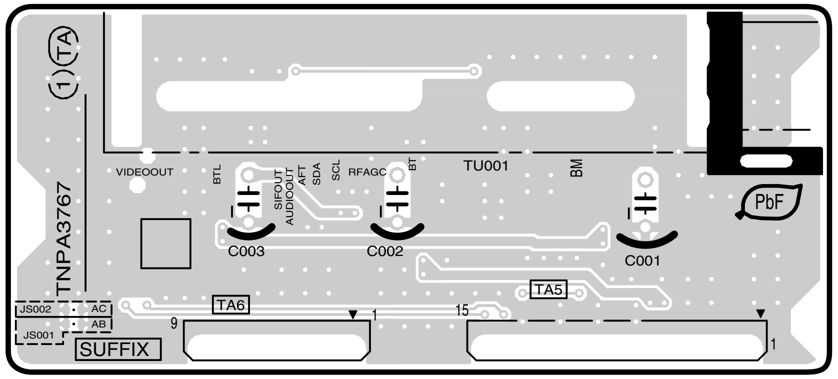


Parts Location

XV-BOARD (COMPONENT SIDE)			
IC		**TP**	
IC8009	B-5	TP8037	B-6
IC8013	C-4	TP8038	B-6
IC8019	D-5	TP8039	B-5
IC8022	C-5	TP8041	A-2
IC8023	B-1	TP8042	A-2
IC8024	B-1		
IC8028	B-3		
IC8029	B-2		
IC8031	B-2		
IC8032	C-2		
IC8033	D-1		
IC8034	B-6		
IC8035	B-3		
IC8036	B-2		
IC8042	E-1		
IC8043	E-1		
IC8301	D-5		
IC8501	C-5		



TA-BOARD (FOIL SIDE)
TNPA3767 (PA60E)
TNPA3767AB (PD60B)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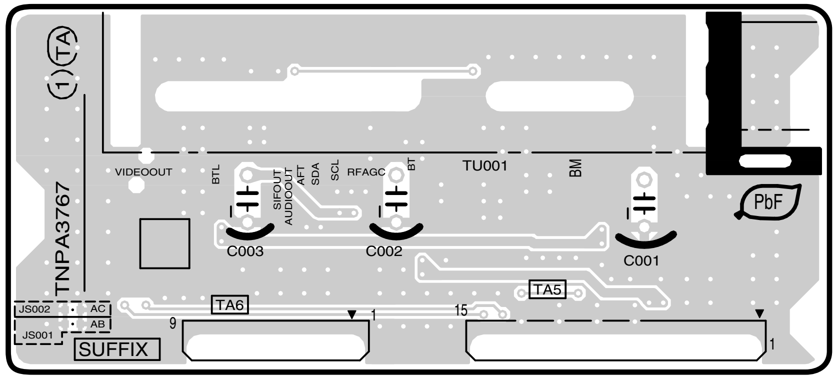
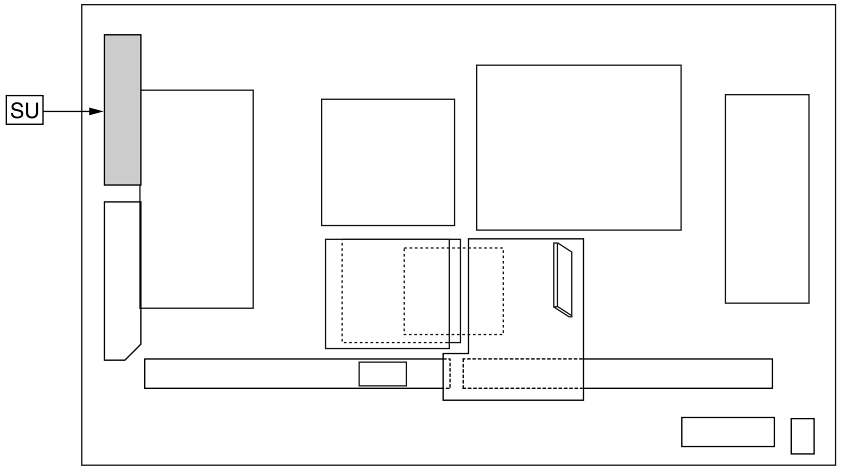
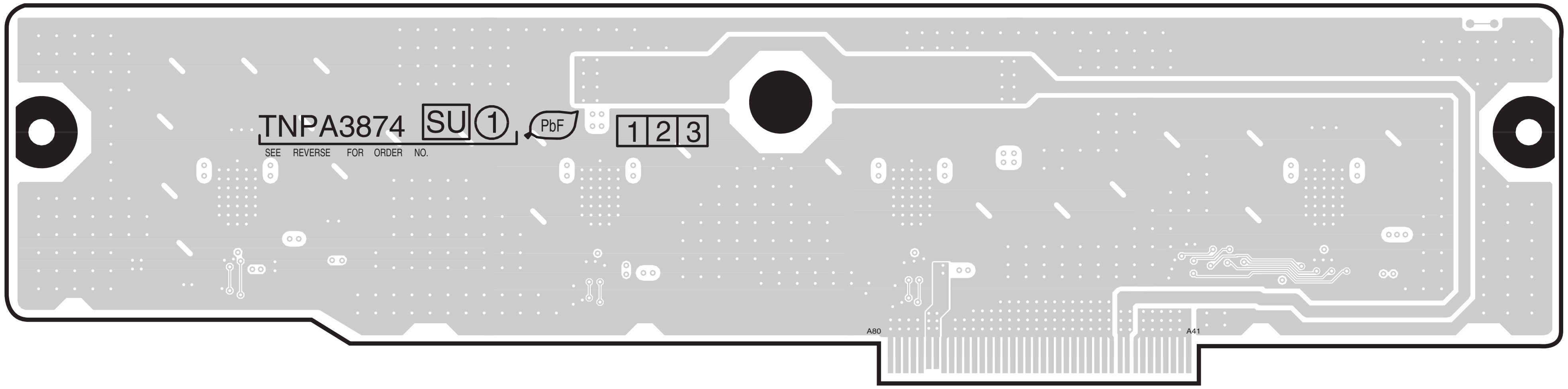
TA
TNPA3767
VIDEOOUT
BTL
SIFOUT
AUDIOOUT
AFT
SDA
SCL
RFAGC
BT
TU001
BM
PbF
C003
C002
C001
TA5
TA6
9
1
15
1
JS002
AC
AB
JS001
SUFFIX

TA-BOARD (COMPONENT SIDE)
TNPA3767 (PA60E)
TNPA3767AB (PD60B)

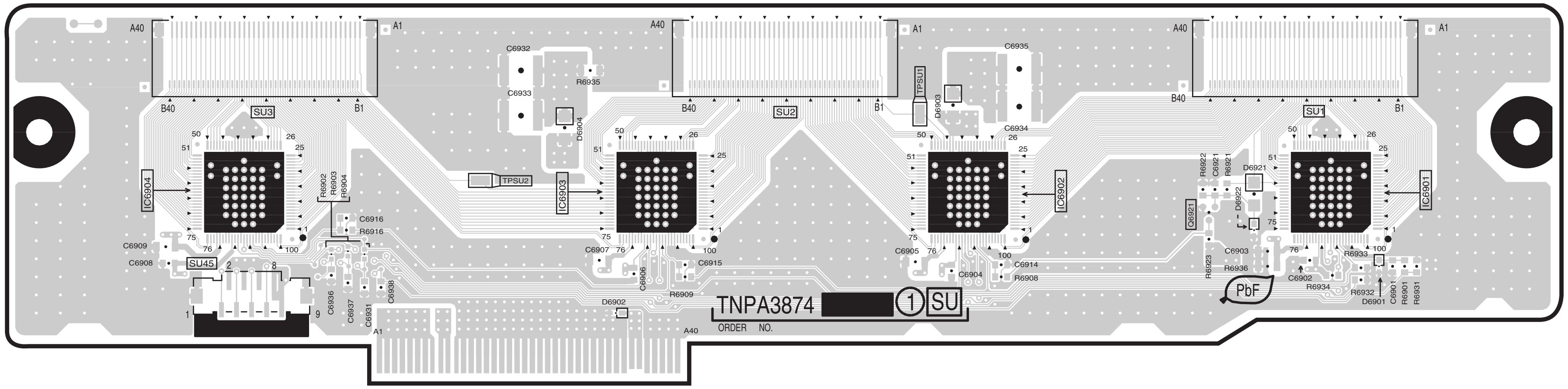

1
TA
TNPA3767
VIDEOOUT
BTL
SIFOUT
AUDIOOUT
AFT
SDA
SCL
RFAGC
BT
TU001
BM
PbF
C003
C002
C001
TA5
TA6
9
1
15
1
JS002
AC
AB
JS001
SUFFIX



SU-BOARD (FOIL SIDE)
TNPA3874AB


TNPA3874
SU
①
PbF
1
2
3
SEE REVERSE FOR ORDER NO.
A80
A41

SU-BOARD (COMPONENT SIDE)
TNPA3874AB


A40
A1
B40
B1
SU3
SU2
SU1
SU45
IC6904
IC6903
IC6902
IC6901
TPSU1
TPSU2
Q6921
D6901
D6902
D6903
D6904
D6921
D6922
C6901
C6902
C6903
C6904
C6905
C6906
C6907
C6908
C6909
C6914
C6915
C6916
C6921
C6931
C6932
C6933
C6934
C6935
C6936
C6937
C6938
R6901
R6902
R6903
R6904
R6908
R6909
R6916
R6921
R6922
R6923
R6931
R6932
R6933
R6934
R6935
R6936
50
26
51
25
75
1
76
100
2
8
9
TNPA3874
①
SU
ORDER NO.
PbF

Parts Location

SU-BOARD	
IC	
IC6901 IC6902 IC6903 IC6904	G-2 E-2 C-2 B-2
TRANSISTOR	
Q6921	F-1
TP	
TPSU1 TPSU2	E-2 C-2

6

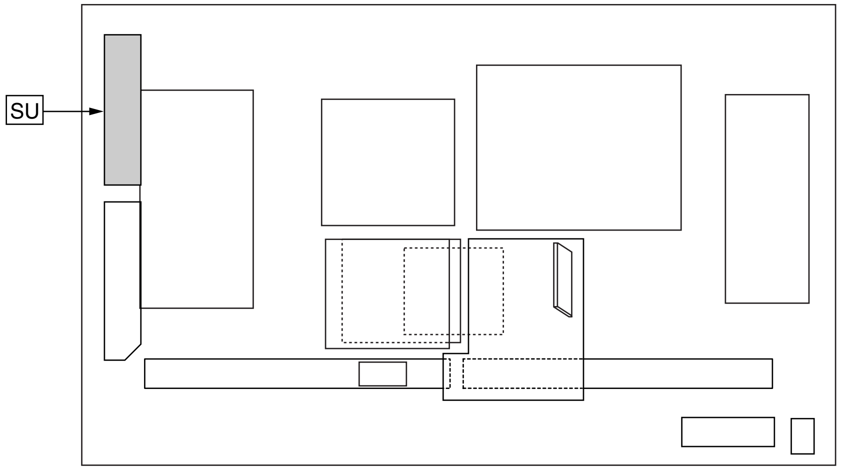
5

4

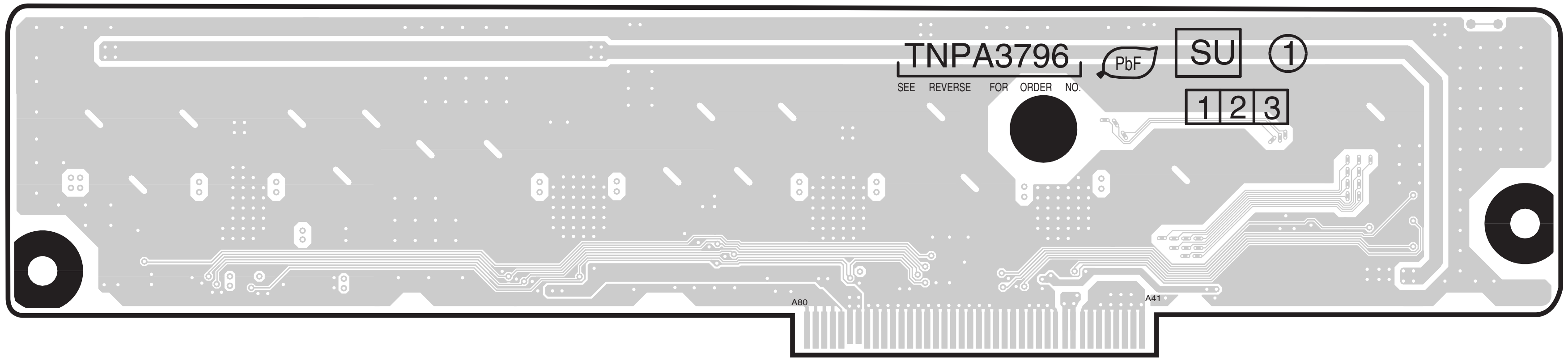
3

2

1



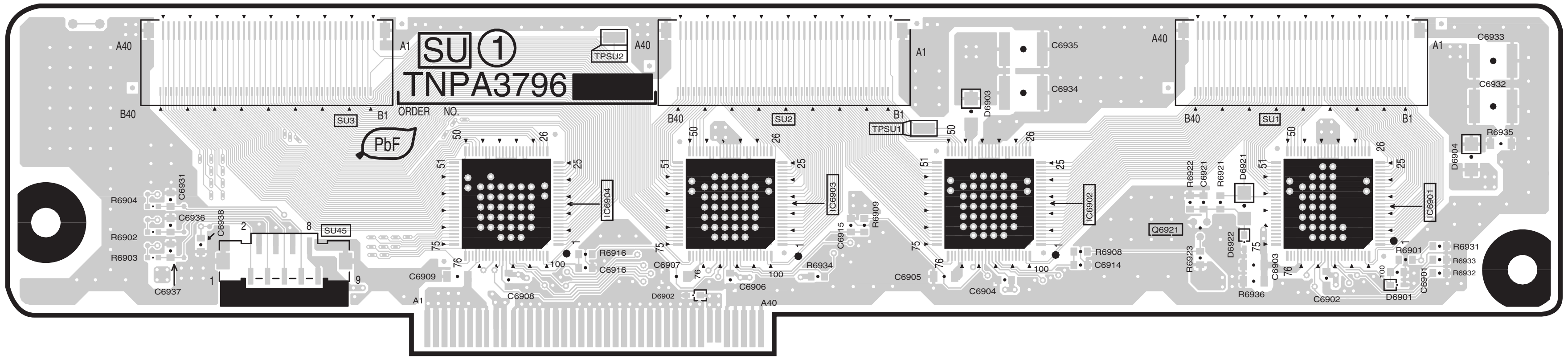
SU-BOARD (FOIL SIDE)
TNPA3796AB


TNPA3796
SEE REVERSE FOR ORDER NO.
PbF
SU
①
1 2 3
A80
A41

Parts Location

SU-BOARD	
IC	
IC6901 IC6902 IC6903 IC6904	F-2 E-2 D-2 C-2
TRANSISTOR	
Q6921	E-2
TP	
TPSU1 TPSU2	D-2 C-2

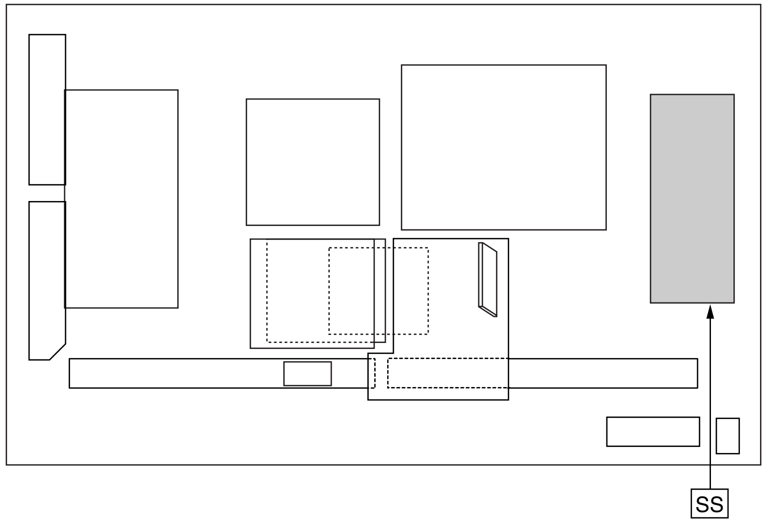
SU-BOARD (COMPONENT SIDE)
TNPA3796AB


SU ①
TNPA3796
ORDER NO.
PbF
TPSU2
TPSU1
A40
A1
B40
B1
SU3
SU2
SU1
SU45
IC6904
IC6903
IC6902
IC6901
Q6921
C6935
C6934
C6933
C6932
R6935
D6903
D6904
D6921
D6922
R6922
C6921
R6921
R6923
C6903
R6904
R6902
R6903
C6931
C6936
C6938
C6937
C6909
C6908
R6916
C6916
C6907
D6902
C6906
R6934
R6909
C6915
C6905
C6904
R6908
C6914
R6936
C6902
R6901
D6901
C6901
R6931
R6933
R6932
A40
A1
1
2
8
9
25
26
50
51
75
76
100

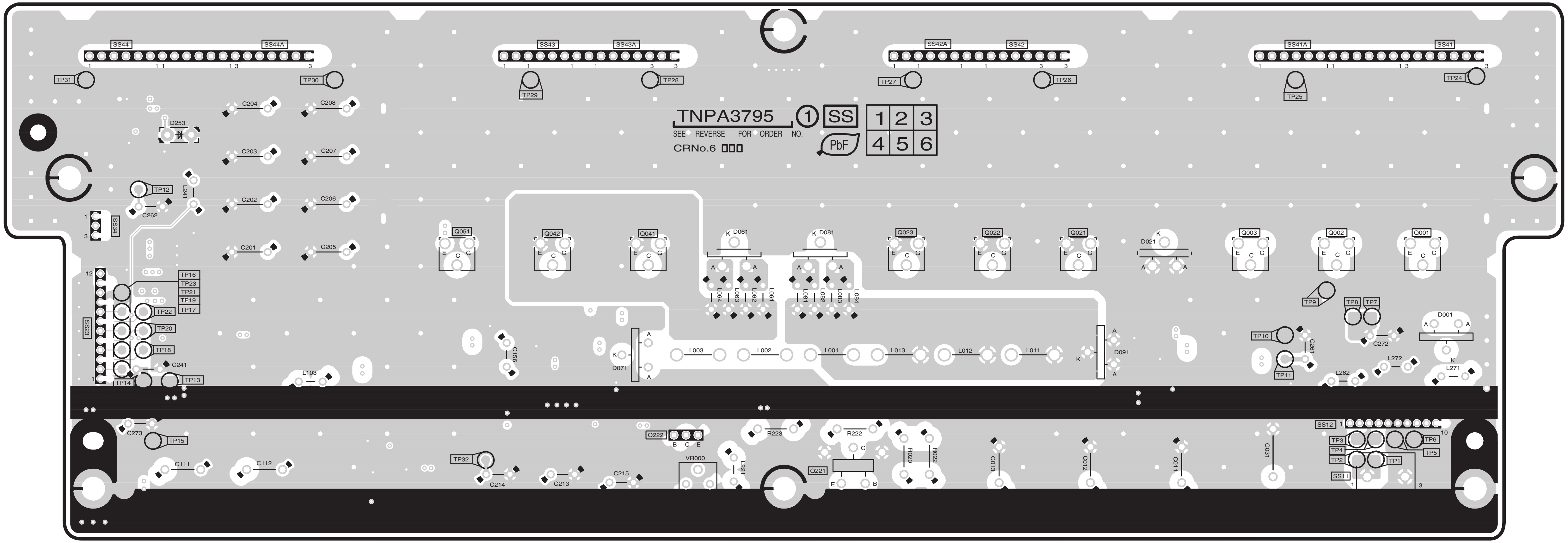
A B C D E F G H I

Parts Location

SS-BOARD (FOIL SIDE)					
TRANSISTOR		**TP**		TP16	B-2
Q6001	H-2	TP1	H-1	TP17	B-2
Q6002	H-2	TP2	H-1	TP18	B-2
Q6003	H-2	TP3	H-1	TP19	B-2
Q6021	G-2	TP4	H-1	TP20	B-2
Q6022	F-2	TP5	H-1	TP21	B-2
Q6023	F-2	TP6	H-1	TP22	B-2
Q6041	D-2	TP7	H-2	TP23	B-2
Q6042	D-2	TP8	H-2	TP24	H-3
Q6051	C-2	TP9	H-2	TP25	H-3
Q6221	E-1	TP10	H-2	TP26	G-3
Q6222	D-1	TP11	H-2	TP27	F-3
VOLUME		TP12	B-3	TP28	D-3
VR6000	E-1	TP13	B-2	TP29	D-3
		TP14	B-2	TP30	C-3
		TP15	B-1	TP31	A-3
				TP32	C-1



SS-BOARD (FOIL SIDE)
TNPA3795AE (37inch)
TNPA3795AB (42inch)


SS44
SS44A
SS43
SS43A
SS42A
SS42
SS41A
SS41
TP31
TP30
TP29
TP28
TP27
TP26
TP25
TP24
TNPA3795
①
SS
1 2 3
4 5 6
SEE REVERSE FOR ORDER NO.
PbF
CRNo.6
C204
C208
C203
C207
C202
C206
C201
C205
D253
TP12
C262
SS34
L241
TP16
TP23
TP21
TP19
TP17
TP22
TP20
TP18
SS23
C241
TP14
TP13
Q051
Q042
Q041
D061
D081
Q023
Q022
Q021
D021
Q003
Q002
Q001
L064
L063
L062
L061
L081
L082
L083
L084
D071
L003
L002
L001
L013
L012
L011
D091
C156
L103
TP9
TP8
TP7
D001
TP10
TP11
C261
C272
L272
L262
L271
C273
TP15
C111
C112
TP32
C214
C213
C215
Q222
B C E
VR000
R223
L221
Q221
R222
R020
R022
C013
C012
C011
C031
SS12
TP3
TP4
TP2
TP6
TP5
TP1
SS11

TH-37PA60E, TH-37PD60B SS-BOARD TNPA3795AE
TH-42PA60E, TH-42PD60B SS-BOARD TNPA3795AB

6
5
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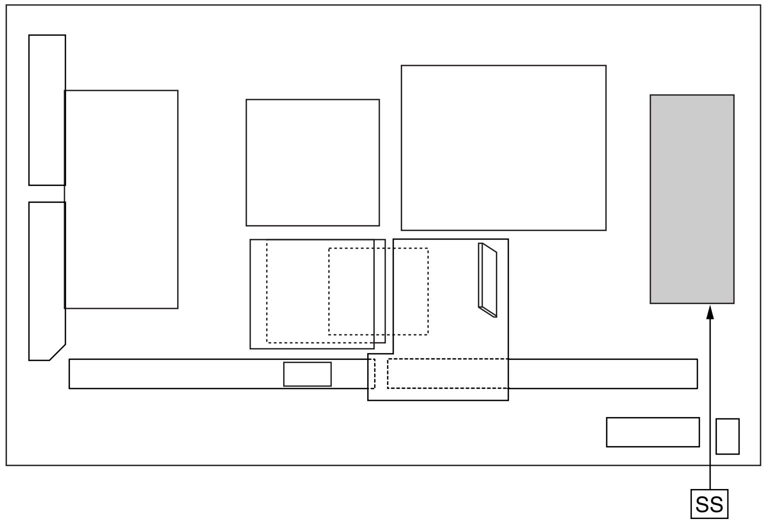
3
2
1

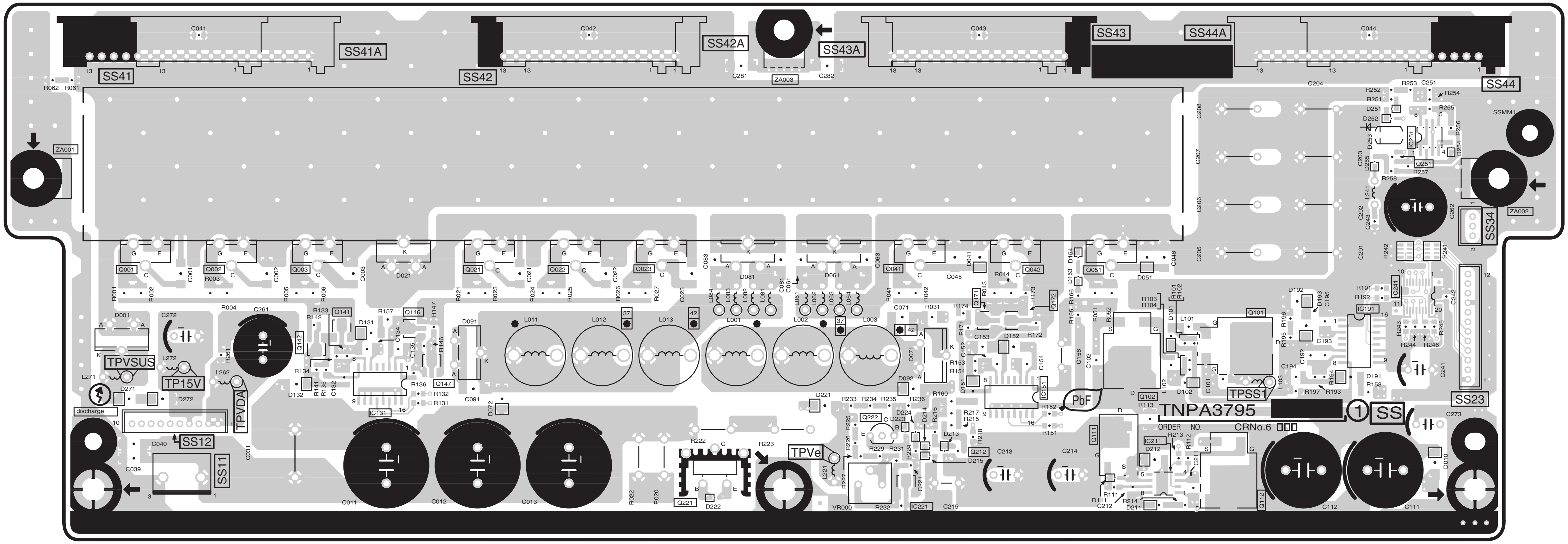
A B C D E F G H I

Parts Location

SS-BOARD (COMPONENT SIDE)							
IC		**TRANSISTOR**				**TP**	
IC6131	C-2	Q6001	B-2	Q6111	G-1	TP15V	B-2
IC6151	F-2	Q6002	B-2	Q6112	H-1	TPSS1	H-2
IC6191	H-2	Q6003	C-2	Q6141	C-2	TPVDA	B-2
IC6211	G-1	Q6021	C-3	Q6142	C-2	TPVe	E-1
IC6221	F-1	Q6022	D-3	Q6146	C-2	TPVSUS	B-2
IC6241	H-2	Q6023	D-3	Q6147	C-2	**VOLUME**	
IC6251	H-3	Q6041	F-2	Q6171	F-2	VR6000	E-1
		Q6042	F-2	Q6172	F-2		
		Q6051	G-2	Q6212	F-1		
		Q6101	H-2	Q6221	E-1		
		Q6102	G-2	Q6222	F-2		
				Q6251	H-3		



SS-BOARD (COMPONENT SIDE)
TNPA3795AE (37inch)
TNPA3795AB (42inch)

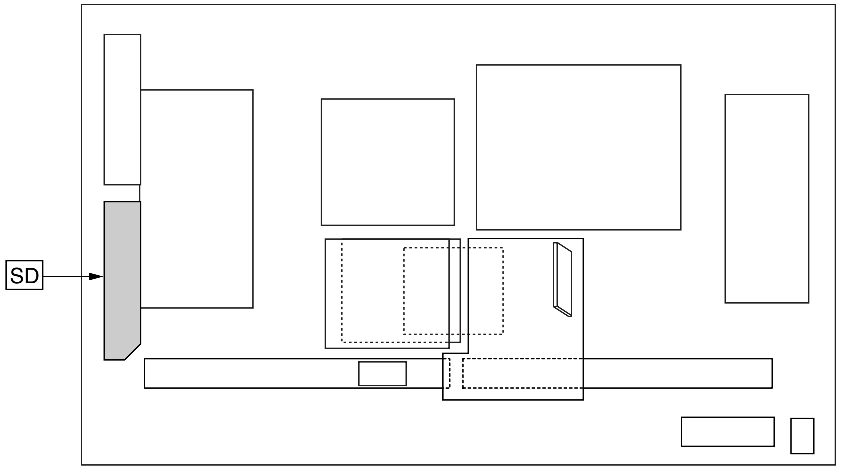

SS41
SS41A
SS42
SS42A
SS43A
SS43
SS44A
SS44
SS34
SS23
SS12
SS11
TPVSUS
TP15V
TPVDA
TPVe
TPSS1
PbF
TNPA3795
① SS
ORDER NO.
CRNo.6
ZA001
ZA002
ZA003
SSMM1
discharge
C011
C012
C013
C111
C112
C261
L011
L012
L013
L001
L002
L003
IC131
IC151
IC191
IC211
IC221
Q001
Q002
Q003
Q021
Q022
Q023
Q041
Q042
Q051
Q101
Q102
Q111
Q112
Q141
Q142
Q146
Q147
Q171
Q172
Q212
Q221
Q222
Q251
VR000
D001
D021
D061
D081
D091

6
5
4
3
2
1

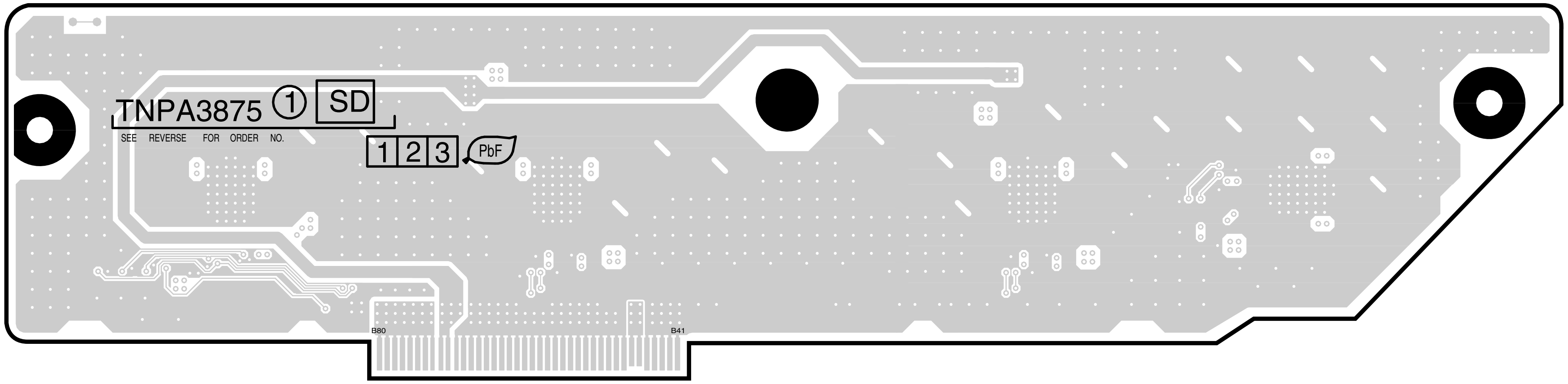
TH-37PA60E, TH-37PD60B SS-BOARD TNPA3795AE
TH-42PA60E, TH-42PD60B SS-BOARD TNPA3795AB

TH-37PA60E, TH-37PD60B SS-BOARD TNPA3795AE
TH-42PA60E, TH-42PD60B SS-BOARD TNPA3795AB

A B C D E F G H I



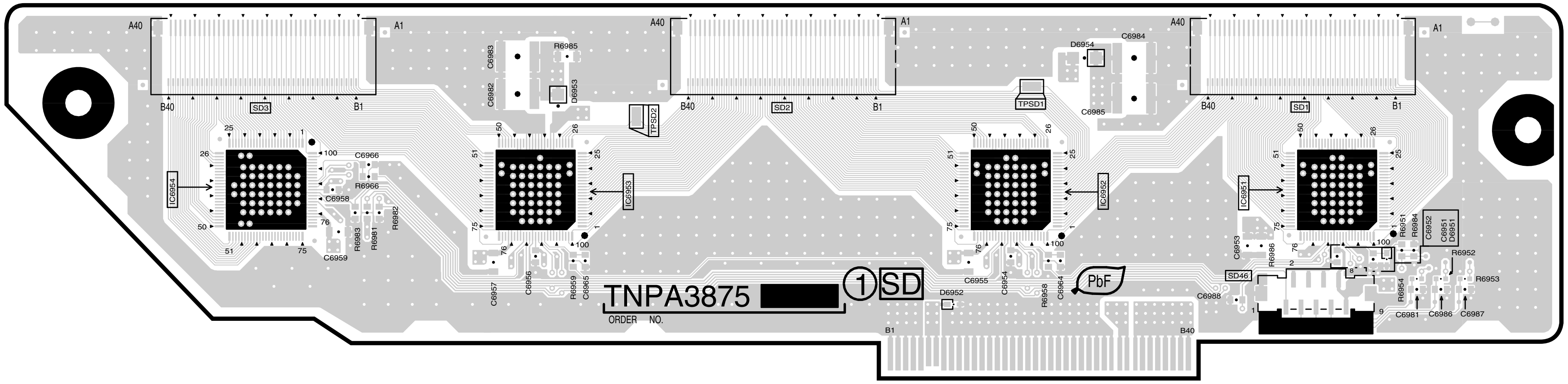
SD-BOARD (FOIL SIDE)
TNPA3875AB

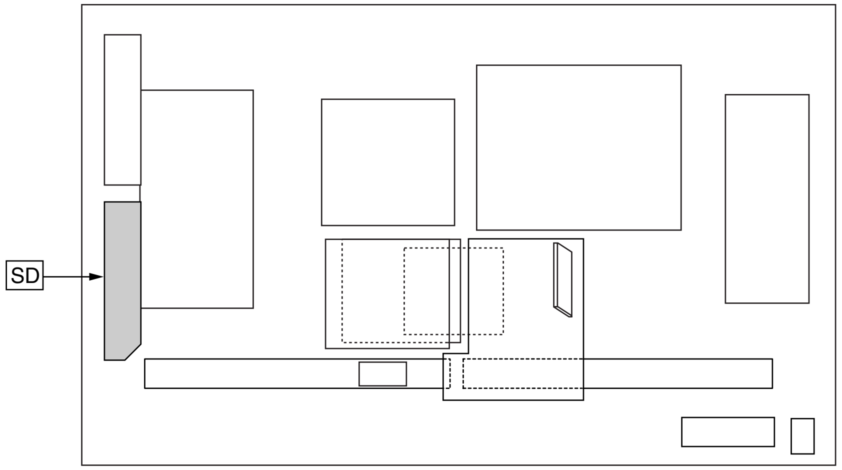

TNPA3875 ① SD
SEE REVERSE FOR ORDER NO.
1 2 3
PbF
B80
B41

Parts Location

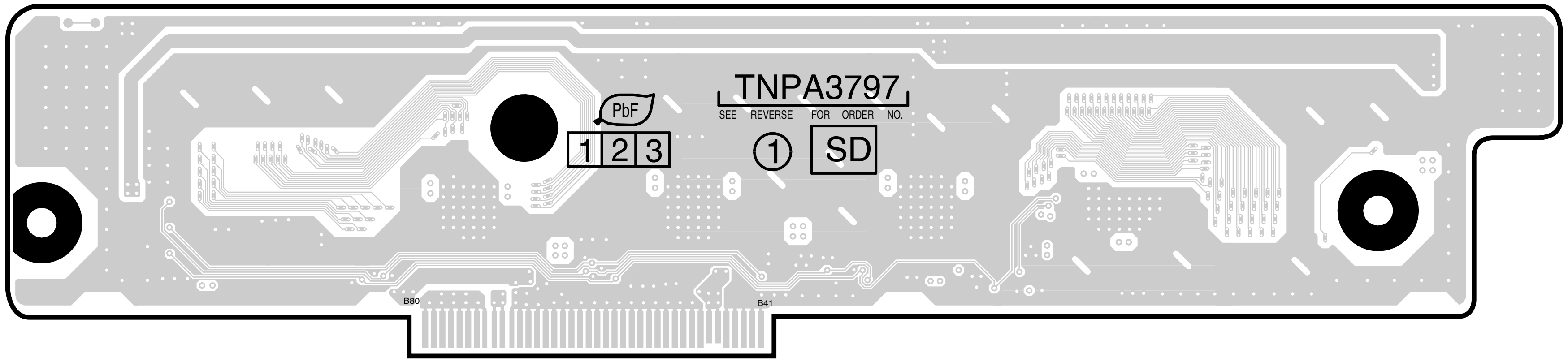
SD-BOARD	
IC	
IC6951	F-2
IC6952	F-2
IC6953	D-2
IC6954	B-2
TP	
TPSD1	E-2
TPSD2	D-2

SD-BOARD (COMPONENT SIDE)
TNPA3875AB

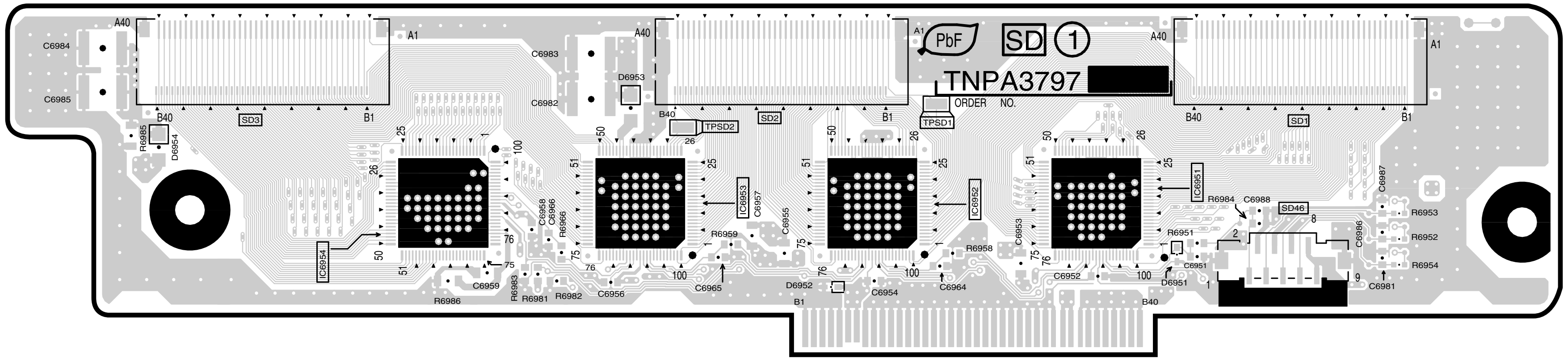

A40
A1
B40
B1
SD3
SD2
SD1
IC6954
IC6953
IC6952
IC6951
C6966
R6966
C6958
R6983
R6981
R6982
C6959
C6983
R6985
C6982
D6953
TPSD2
C6957
C6956
R6959
C6965
TNPA3875 ① SD
ORDER NO.
D6954
C6984
TPSD1
C6985
D6952
C6955
C6954
R6958
C6964
PbF
C6988
C6953
R6986
SD46
R6951
R6954
C6952
D6951
R6952
R6953
C6981
C6986
C6987
B1
B40



SD-BOARD (FOIL SIDE)
TNPA3797AB

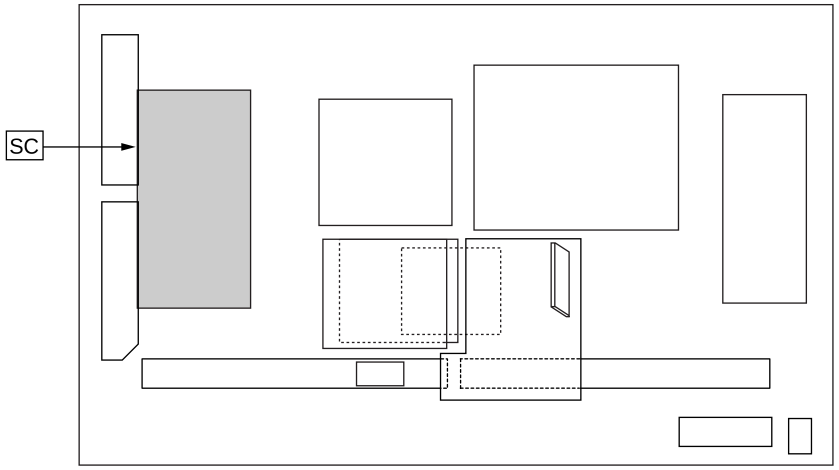

PbF
1 2 3
TNPA3797
SEE REVERSE FOR ORDER NO.
①
SD
B80
B41

SD-BOARD (COMPONENT SIDE)
TNPA3797AB


PbF
SD ①
TNPA3797
ORDER NO.
A40
A1
B40
B1
SD3
SD2
SD1
SD46
TPSD1
TPSD2
C6984
C6985
C6983
C6982
D6953
R6985
D6954
IC6954
IC6953
IC6952
IC6951
C6957
C6958
C6966
R6966
R6959
C6955
C6953
R6958
R6984
C6988
C6987
R6953
R6952
R6954
C6986
R6951
C6951
D6951
C6952
C6964
C6954
D6952
C6965
C6956
R6982
R6981
R6983
R6986
C6959
C6981

Parts Location

SD-BOARD	
IC	
IC6951	E-2
IC6952	E-2
IC6953	D-2
IC6954	B-2
TP	
TPSD1	D-2
TPSD2	D-2



Parts Location

SC-BOARD (FOIL SIDE)

IC	
IC6791	H-2

TRANSISTOR	
Q6401	B-3
Q6402	B-3
Q6403	C-3
Q6421	C-2
Q6422	D-2
Q6423	D-2
Q6441	G-3
Q6442	F-3
Q6451	F-3
Q6661	G-3
Q6801	H-2
Q6821	F-4
Q6822	G-4
Q6841	G-3
Q6842	G-4

TP	
TP1	B-2
TP2	B-2
TP4	B-1
TP5	B-1
TP6	B-2
TP7	B-2
TP8	B-1
TP9	C-1
TP10	G-1
TP11	G-1
TP12	I-1
TP13	G-2
TP14	G-1
TP15	G-1
TP16	H-1
TP17	H-1
TP18	H-2
TP19	H-1
TP20	G-1
TP21	H-2
TP22	H-1
TP23	G-1
TP24	G-1
TP25	H-2
TP26	G-2
TP26	H-2
TP27	G-1
TP28	G-2
TP29	F-2
TP30	F-1
TP31	E-2
TP32	D-1
TP33	D-1
TP34	C-1
TP35	C-1
TP38	H-1
TP39	G-1
TP40	D-5
TP41	D-5
TP42	D-5
TP43	D-5
TP44	B-5
TP45	B-5
TP46	F-5
TP47	F-5
TP48	F-5
TP49	F-5
TP50	H-5
TP51	H-5
TP52	H-1
TP53	H-4
TP54	C-5
TP55	C-5
TP56	C-5
TP57	C-5
TP58	C-5
TP59	G-5
TP60	G-5
TP61	G-5
TP62	G-5
TP63	G-5
TP64	F-4

VOLUME	
VR6600	G-3
VR6602	E-4

Parts Location

SC-BOARD (COMPONENT SIDE)

IC	
IC6471	B-4
IC6472	B-4
IC6501	G-1
IC6521	D-1
IC6561	B-1
IC6562	C-2
IC6581	F-2
IC6601	D-4
IC6602	B-4
IC6610	B-5
IC6671	E-3
IC6681	C-5
IC6682	B-4
IC6721	A-4
IC6722	B-5
IC6724	B-5
IC6725	B-5
IC6751	H-4
IC6752	H-4
IC6753	H-5
IC6771	D-3
IC6772	E-4
IC6773	C-3
IC6774	C-3
IC6791	A-2
IC6801	B-3
IC6802	C-4
IC6821	C-3
IC6841	C-4
IC6861	B-4
IC6871	C-3

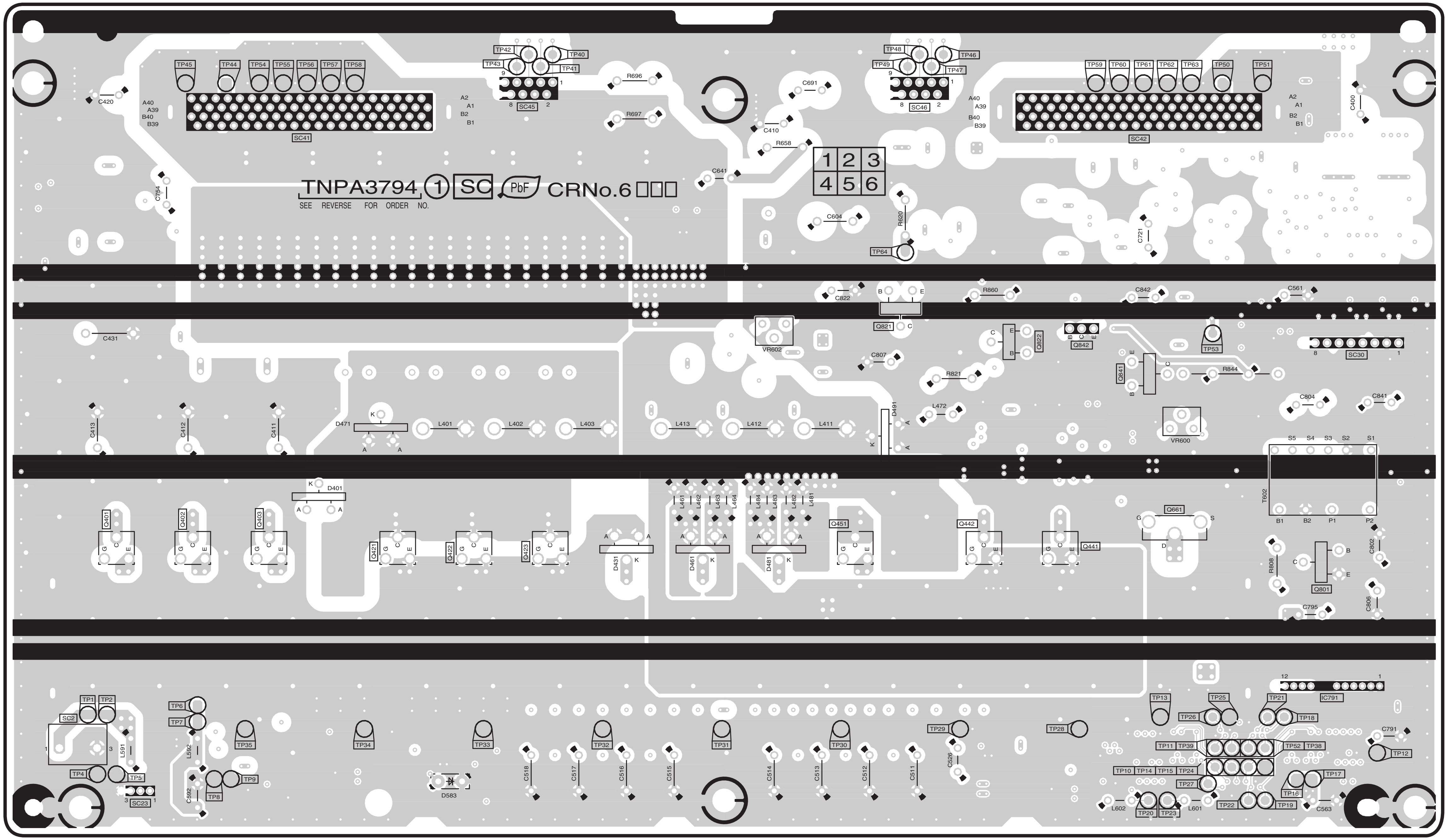
PHOTO COUPLER	
PC6480	B-4
PC6701	A-3
PC6702	A-3
PC6703	A-3
PC6704	H-5
PC6705	C-3
PC6760	H-4
PC6801	B-3
PC6861	B-4
PC6871	C-3

TRANSISTOR	
Q6401	H-3
Q6402	H-3
Q6403	G-3
Q6421	G-3
Q6422	F-3
Q6423	F-3
Q6441	C-2
Q6442	D-2
Q6451	D-2
Q6471	B-3
Q6511	G-2
Q6512	H-2
Q6516	G-1
Q6517	G-1
Q6531	C-1
Q6532	C-1
Q6581	F-1
Q6601	D-5
Q6602	D-5
Q6621	H-3
Q6622	G-3
Q6642	F-5
Q6643	F-5
Q6644	F-5
Q6645	G-5
Q6646	G-5
Q6647	G-5
Q6648	H-5
Q6661	C-2
Q6662	E-4
Q6663	E-4
Q6671	E-3
Q6680	E-3
Q6681	D-4
Q6682	D-4
Q6691	C-5
Q6742	C-4
Q6743	C-4
Q6744	B-4
Q6762	H-4
Q6781	E-4
Q6782	E-4
Q6791	D-3
Q6801	B-3
Q6802	B-2
Q6803	B-3
Q6821	D-4
Q6822	D-4
Q6824	C-3
Q6841	C-4
Q6842	C-4

TP	
TP15V	H-1
TPSC1	F-5
TPSOS6	B-1
TPSOS7	C-1
TPVAD	D-3
TPVSCN	D-4
TPVSET	D-4
TPVSUS	H-1

VOLUME	
VR6600	C-2
VR6602	D-5

SC-BOARD (FOIL SIDE)
TNPA3794AE (37inch)
TNPA3794AB (42inch)


TNPA3794 ① SC PbF CRNo.6
SEE REVERSE FOR ORDER NO.
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SC41
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SC45
SC46
SC30
SC2
SC23
TP1
TP2
TP4
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TP63
TP64
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A39
B40
B39
A2
A1
B2
B1
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C641
C604
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R697
R658
R820
R860
R821
R844
R808
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Q841
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Q661
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Q451
Q442
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VR600
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D401
D431
D461
D481
D491
D583
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L411
L472
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L462
L463
L464
L484
L483
L482
L481
L591
L592
L601
L602
T602
S5
S4
S3
S2
S1
B1
B2
P1
P2
IC791
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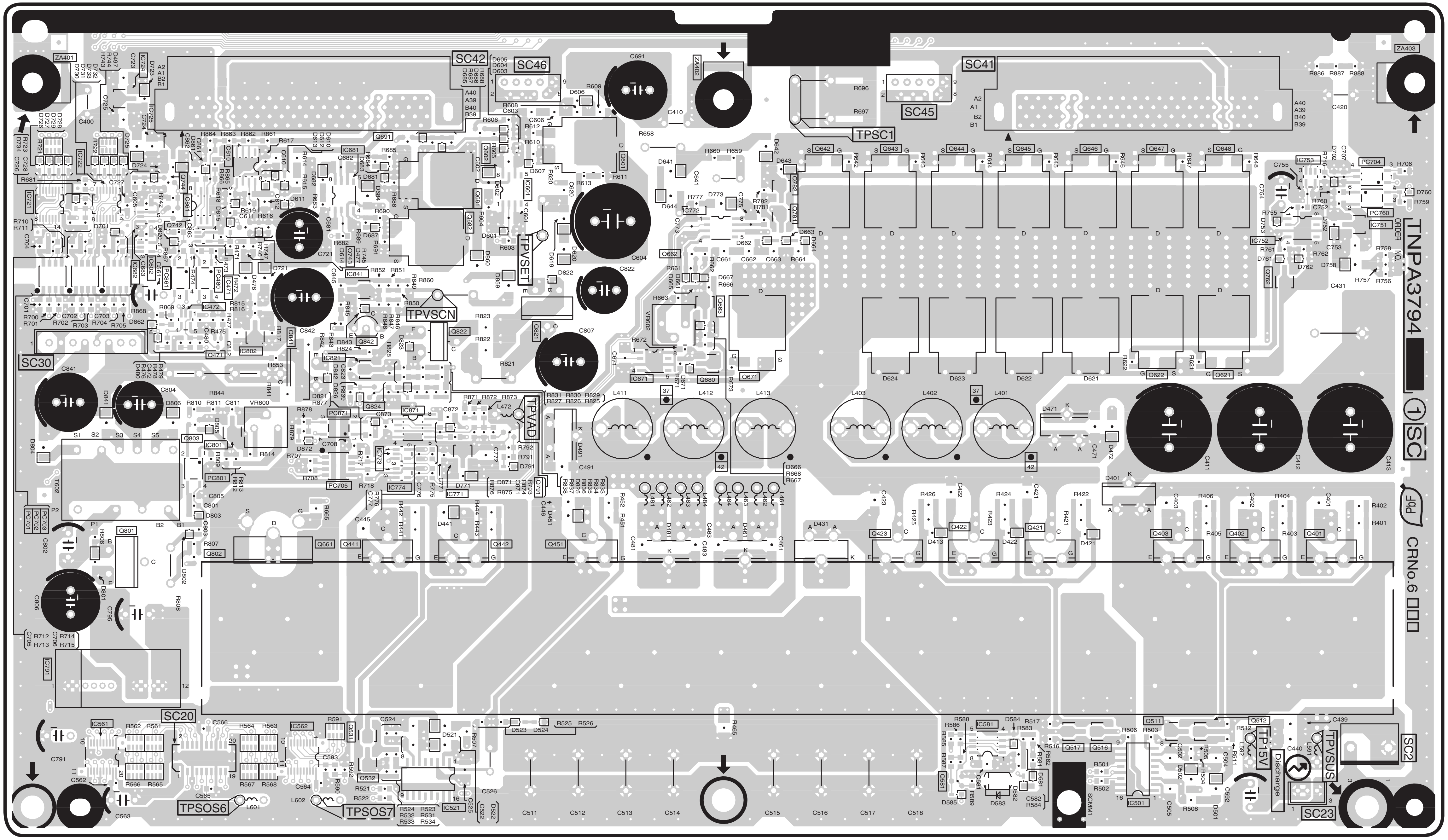
A
B
C
D
E
F
G
H
I

SC-BOARD (COMPONENT SIDE)
TNPA3794AE (37inch)
TNPA3794AB (42inch)


SC42
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SC45
TPSC1
ZA401
ZA402
ZA403
SC30
SC20
SC2
SC23
TPVSET
TPVSCN
TPVAD
TPSOS6
TPSOS7
TP15V
TPVSUS
Discharge
SCAMM1
TNPA3794
①SC
CRNo.6
ORDER NO.
C691
C604
C822
C807
C721
C842
C841
C804
C806
C411
C412
C413
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L403
L402
L401
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Q621
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Q403
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Q661
Q801
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IC501
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IC562
IC581
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IC871
D401
D431
D471
37
42
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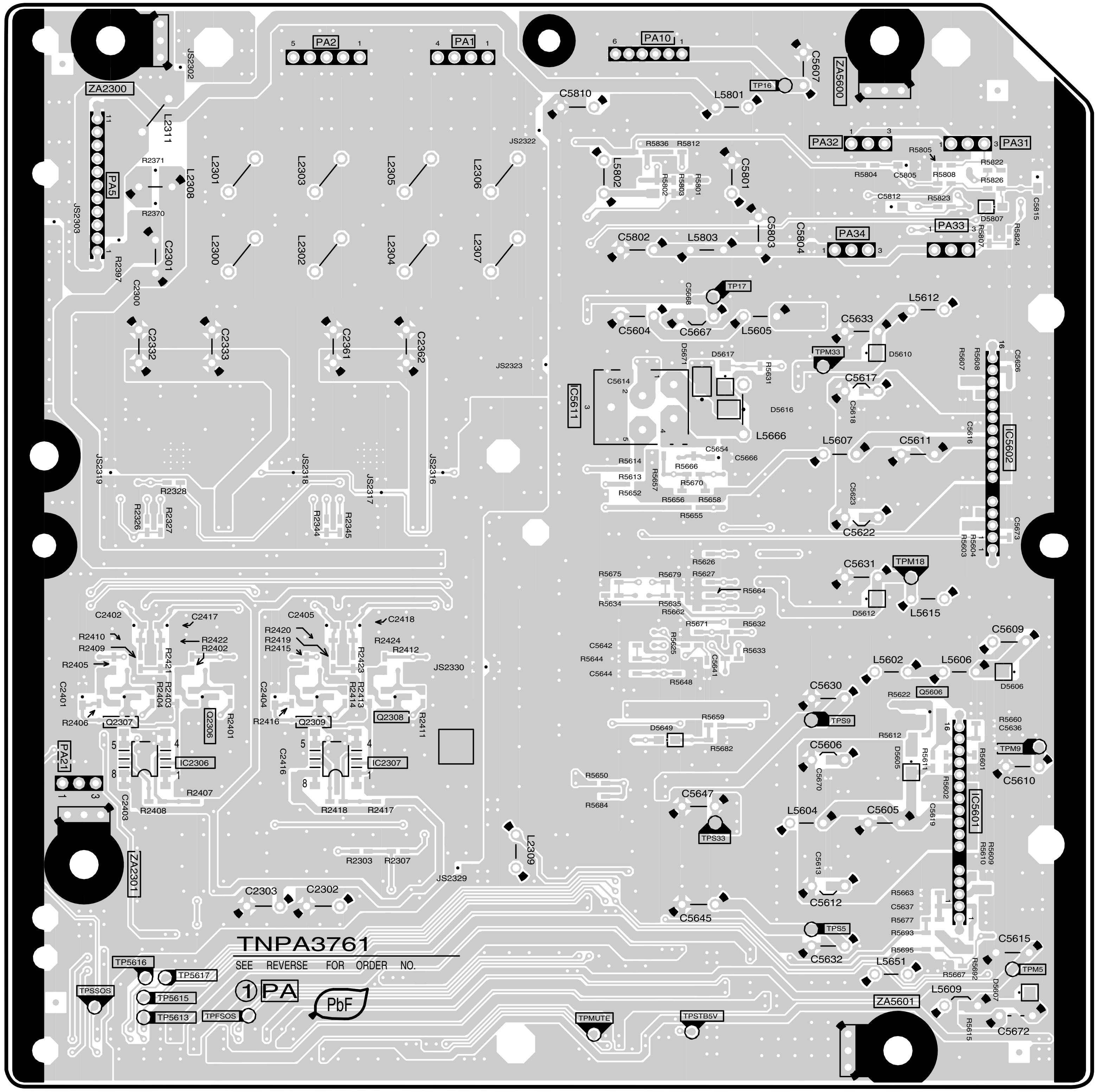
I

PA-BOARD (FOIL SIDE)
TNPA3761AH


TNPA3761
SEE REVERSE FOR ORDER NO.
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PbF
PA1
PA2
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PA10
PA21
PA31
PA32
PA33
PA34
ZA2300
ZA2301
ZA5600
ZA5601
IC2306
IC2307
IC5601
IC5602
IC5611
Q2306
Q2307
Q2308
Q2309
Q5606
L2300
L2301
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L5801
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L5803
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C5606
C5607
C5609
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C5612
C5615
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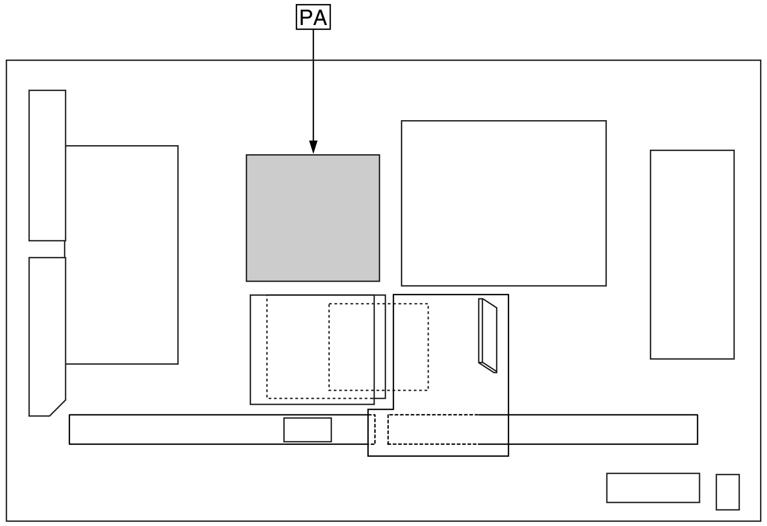
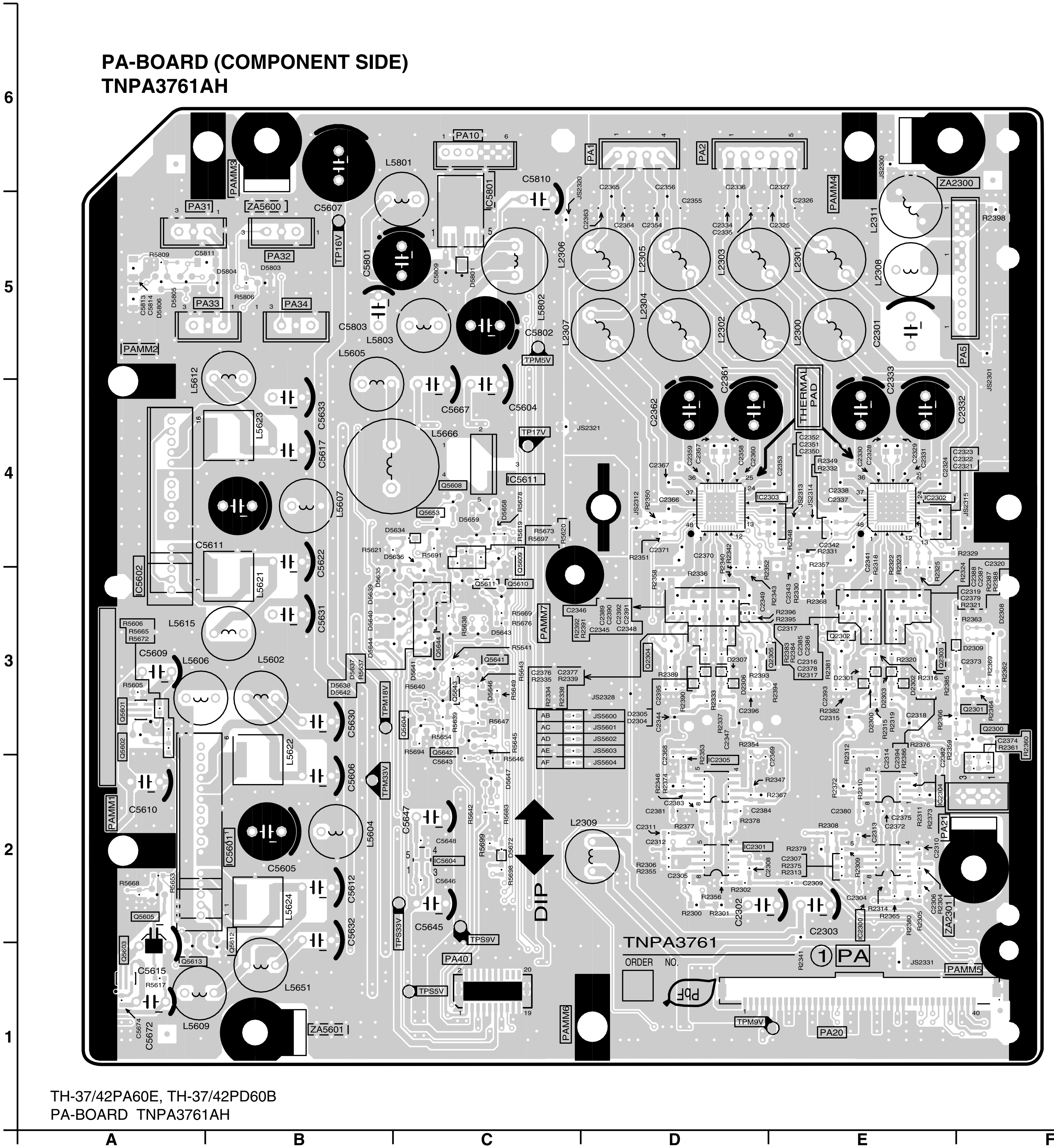
JS2323
JS2329
JS2330



Parts Location

PA-BOARD (FOIL SIDE)			
IC		TRANSISTOR	
IC2306	B-2	Q2306	B-3
IC2307	C-2	Q2307	A-2
IC5601	E-2	Q2308	C-3
IC5602	F-4	Q2309	B-3
IC5611	D-4	Q5606	E-3

PA-BOARD (COMPONENT SIDE)
TNPA3761AH



6
5
4
3
2
1
A
B
C
D
E
F
G
H
I
THERMAL PAD
DIP
TNPA3761
ORDER NO.
①PA
PbF
IC2300
IC2301
IC2302
IC2303
IC2304
IC2305
IC5601
IC5602
IC5604
IC5611
IC5801
ZA2300
ZA2301
ZA5600
ZA5601
PA1
PA2
PA5
PA10
PA20
PA21
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PAMM3
PAMM4
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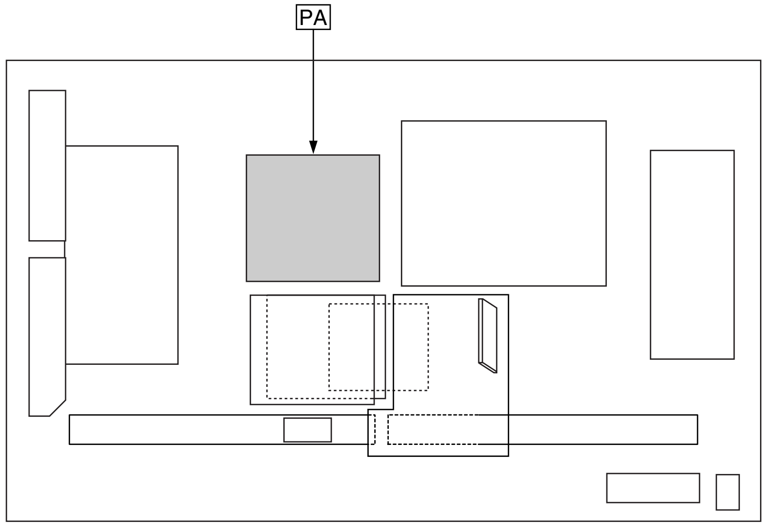
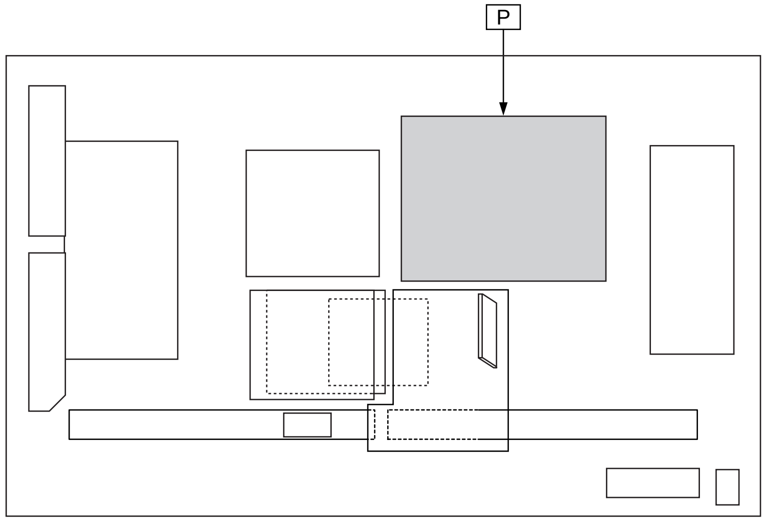
PAMM6
PAMM7



Parts Location

PA-BOARD (COMPONENT SIDE)			
IC		**TRANSISTOR**	
IC2300	E-2	Q2300	F-3
IC2301	D-2	Q2301	F-3
IC2302	E-4	Q2302	E-3
IC2303	E-4	Q2303	E-3
IC2304	E-2	Q2304	D-3
IC2305	D-3	Q2305	E-3
IC5601	B-2	Q5601	A-3
IC5602	A-3	Q5602	A-3
IC5604	C-2	Q5603	A-1
IC5611	C-4	Q5604	C-3
IC5801	C-5	Q5605	A-2
		Q5608	C-4
		Q5609	C-4
		Q5610	C-3
		Q5611	C-3
		Q5612	B-1
		Q5613	A-1
		Q5641	C-3
		Q5642	C-3
		Q5643	C-3
		Q5644	C-3
		Q5653	C-4

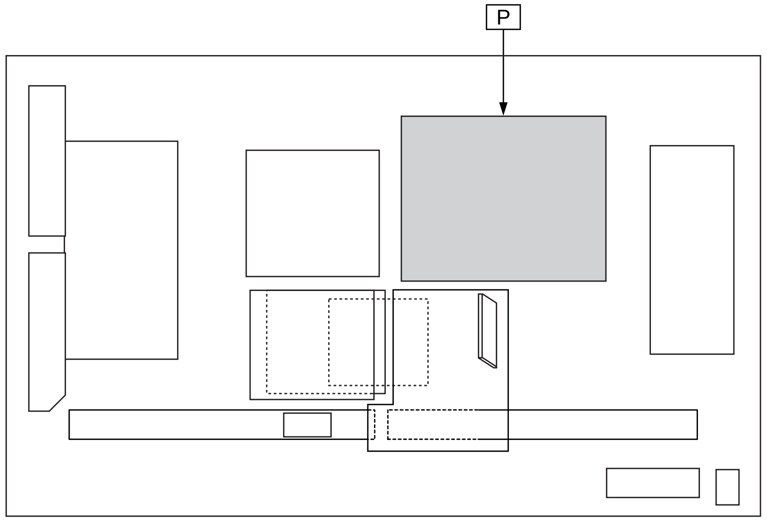


Parts Location

P-BOARD (FOIL SIDE)					
IC		**TRANSISTOR**		Q535	A-5
IC401	B-4	Q401	B-4	Q537	C-5
IC402	C-4	Q402	E-1	Q538	E-5
IC403	B-4	Q404	F-1	Q540	G-5
IC404	C-4	Q406	F-2	Q541	F-5
IC405	C-4	Q407	F-1	Q551	C-5
IC406	F-1	Q408	H-3	Q553	B-5
IC408	B-4	Q409	H-2	Q554	B-5
IC409	C-3	Q412	H-3	Q555	E-4
IC410	B-4	Q413	H-2	Q556	D-4
IC411	B-4	Q415	B-4	Q557	B-5
IC412	A-4	Q418	G-1	Q558	A-4
IC501	B-5	Q420	F-1	Q559	B-5
IC502	B-5	Q421	G-1	Q561	A-5
IC504	B-4	Q422	F-1	Q563	A-6
IC505	H-5	Q434	B-4	Q564	F-6
IC506	G-5	Q501	A-5	Q565	F-5
IC507	G-6	Q502	A-5	Q566	E-6
IC509	H-5	Q505	G-6	Q567	F-5
IC510	C-6	Q507	G-5	Q568	B-4
IC512	F-5	Q508	E-5	Q569	B-6
IC520	F-6	Q509	E-5		
		Q510	F-5	**VOLUME**	
		Q512	A-4	R443	F-1
		Q517	E-4	R628	G-5
		Q520	E-4	R661	E-5
		Q521	C-5	R665	G-5
		Q524	D-5	R671	G-4
		Q525	G-5		
		Q527	F-5		
		Q530	G-5		

Parts Location

P-BOARD (COMPONENT SIDE)					
IC		**TRANSITOR**		**VOLUME**	
IC402	G-4	Q404	C-2	R443	D-1
IC406	D-1	Q406	D-2	R628	C-5
IC409	F-3	Q412	B-3	R661	D-5
IC411	H-4	Q413	B-2	R665	C-5
IC504	H-4	Q434	H-3	R671	B-5
IC509	B-5	Q505	C-5		
IC512	C-5	Q507	C-5		
		Q527	C-5		



Parts Location

P-BOARD (FOIL SIDE)

IC	
IC401	B-4
IC402	C-4
IC403	B-4
IC404	C-4
IC405	B-4
IC406	F-1
IC408	B-4
IC409	C-3
IC410	B-4
IC411	B-4
IC412	A-4
IC501	B-5
IC502	B-5
IC504	B-4
IC505	H-5
IC506	G-5
IC507	G-5
IC509	H-5
IC510	C-5
IC512	F-5
IC520	F-5

TRANSISTOR	
Q401	B-4
Q402	E-2
Q404	F-1
Q406	F-2
Q407	F-1
Q408	H-3
Q409	H-3
Q412	H-3
Q413	H-3
Q415	B-4
Q418	G-1
Q420	F-1
Q421	G-1
Q422	F-1
Q434	A-4
Q501	A-5
Q502	A-5
Q505	G-5
Q507	G-4
Q508	E-5
Q509	E-5
Q510	F-5
Q512	A-4
Q517	E-4
Q520	E-4
Q521	D-5
Q524	C-5
Q525	G-5
Q527	F-4
Q530	G-5
Q535	A-5
Q537	C-5
Q538	E-4
Q540	G-4
Q541	F-5
Q551	C-4
Q553	B-5
Q554	B-5
Q555	E-4
Q556	D-4
Q557	B-5
Q558	A-4
Q559	B-5
Q561	A-4
Q563	A-5
Q564	F-5
Q565	F-5
Q566	E-5
Q567	F-5
Q568	B-4
Q569	B-5

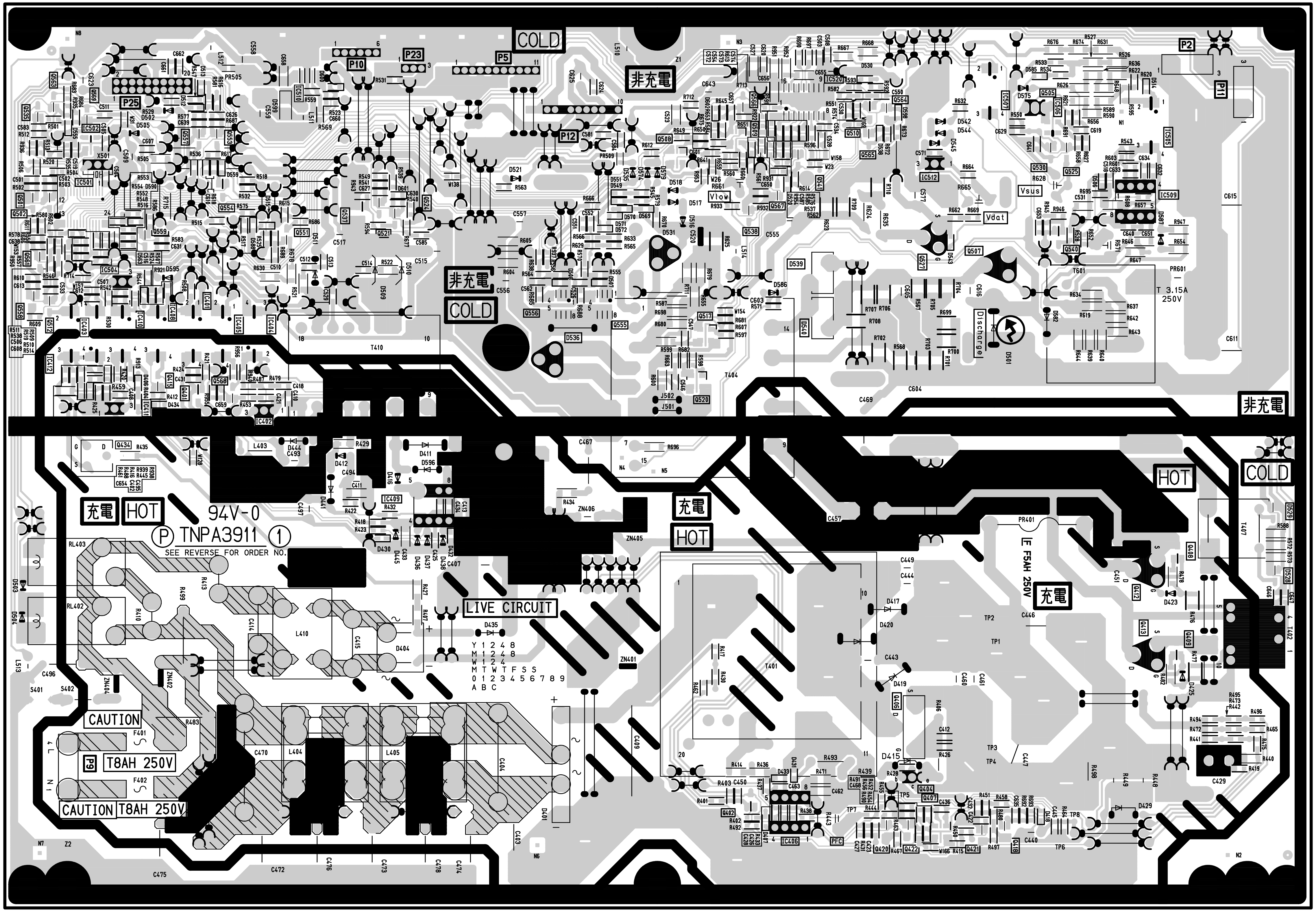
VOLUME	
R443	F-2
R628	G-5
R661	E-5
R665	G-5
R671	G-4

Parts Location

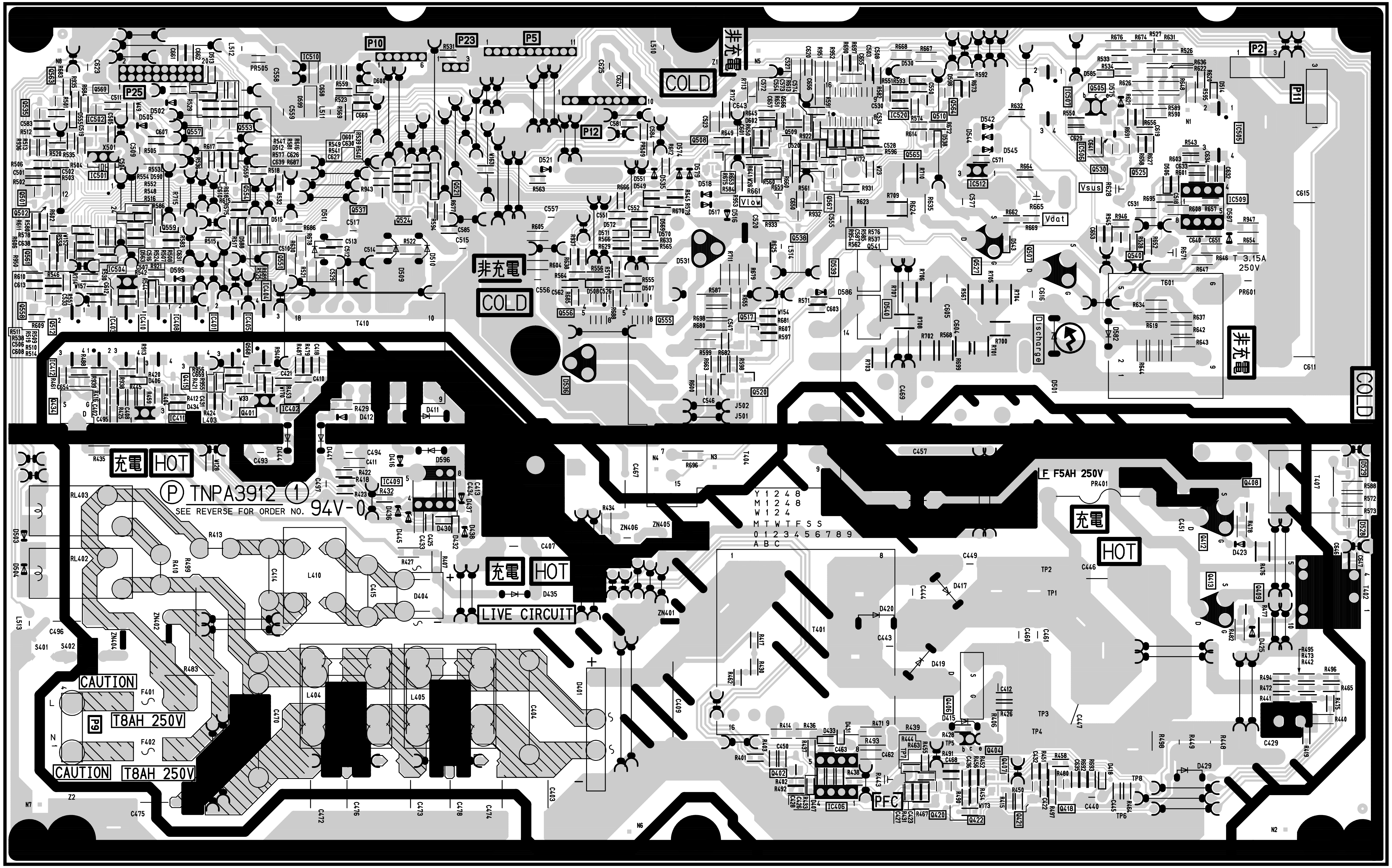
P-BOARD (COMPONENT SIDE)

IC		TRANSITOR		VOLUME	
IC402	G-4	Q404	C-2	R443	D-2
IC406	D-1	Q406	D-2	R628	C-5
IC409	F-3	Q412	B-3	R661	D-5
IC411	H-4	Q413	B-3	R665	C-5
IC504	H-4	Q434	H-4	R671	B-4
IC509	B-5	Q505	C-5		
IC512	C-5	Q507	C-4		
		Q527	C-5		

P-BOARD (FOIL SIDE)
TNPA3911AB

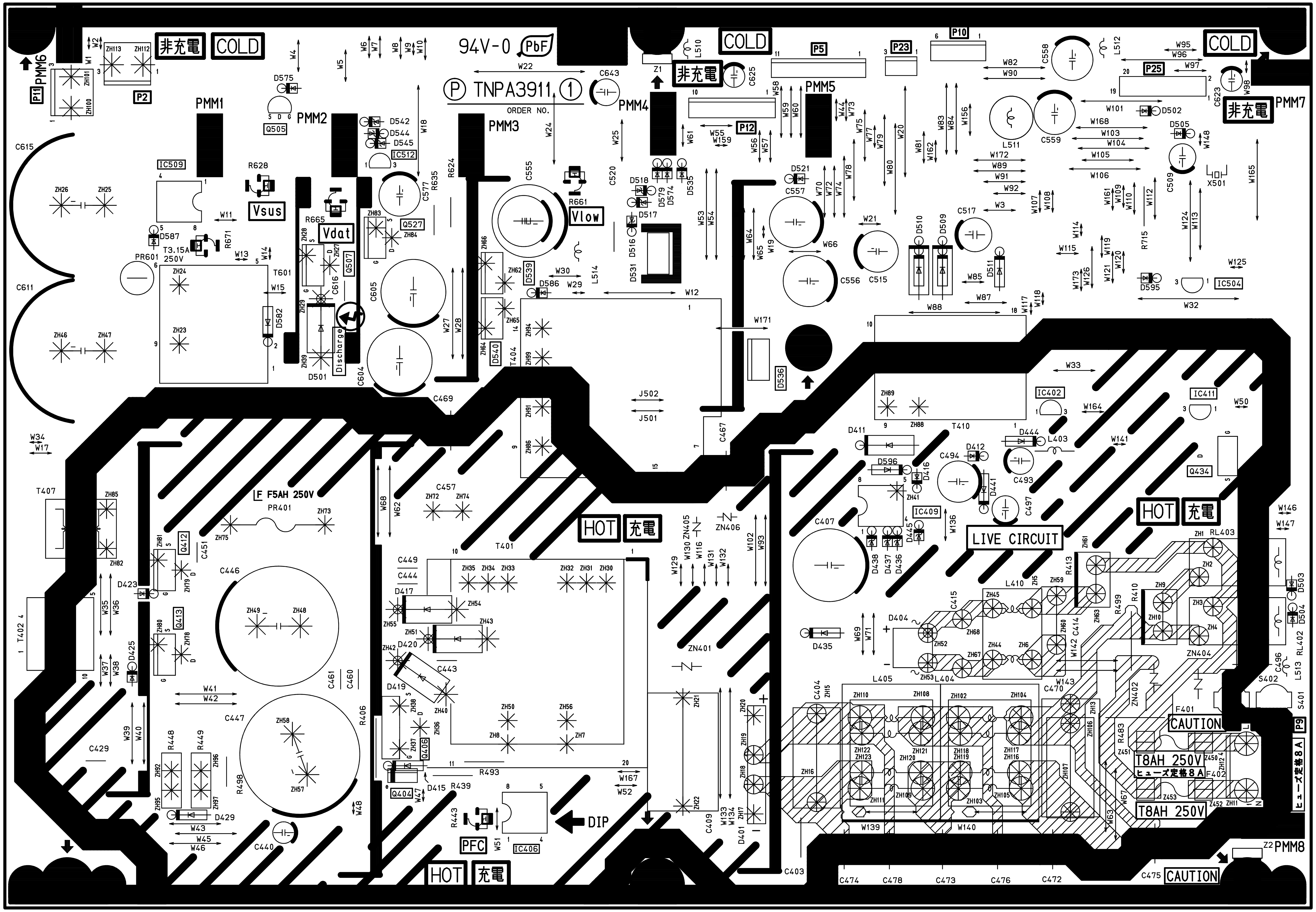

COLD
非充電
充電
HOT
LIVE CIRCUIT
CAUTION
T8AH 250V
F5AH 250V
T 3.15A 250V
Discharge
94V-0
P TNPA3911 1
SEE REVERSE FOR ORDER NO.
P2
P5
P9
P10
P11
P12
P23
P25
T401
T402
T404
T407
T410
Vsus
Vdat
Vlow
6
5
4
3
2
1
A
B
C
D
E
F
G
H
I

P-BOARD (FOIL SIDE)
TNPA3912AB


P10
P23
P5
P25
P12
P2
P11
P9
COLD
非充電
充電
HOT
LIVE CIRCUIT
CAUTION
T8AH 250V
F5AH 250V
T 3.15A 250V
TNPA3912 ①
SEE REVERSE FOR ORDER NO.
94V-0
Vlow
Vsus
Vdat
Discharge
PFC
L
N
Y 1 2 4 8
M 1 2 4 8
W 1 2 4
M T W T F S S
0 1 2 3 4 5 6 7 8 9
A B C

1
2
3
4
5
6
A
B
C
D
E
F
G
H
I

P-BOARD (COMPONENT SIDE)
TNPA3911AB



6
5
4
3
2
1
A
B
C
D
E
F
G
H
I
94V-0
PbF
TNPA3911 ①
ORDER NO.
非充電
COLD
PMM1
PMM2
PMM3
PMM4
PMM5
PMM6
PMM7
PMM8
P2
P5
P9
P10
P11
P12
P23
P25
Vsus
Vdat
Vlow
Discharge
T3.15A 250V
PR601
T601
F F5AH 250V
PR401
T401
T402
T404
T407
T410
HOT
充電
LIVE CIRCUIT
CAUTION
T8AH 250V
ヒューズ定格８Ａ
F401
F402
RL402
RL403
S401
S402
DIP
PFC
IC402
IC406
IC409
IC411
IC504
IC509
IC512
Q404
Q406
Q412
Q413
Q434
Q505
Q507
Q527
J501
J502
C403
C407
C446
C447
C555
C556
C557
C559
C604
C605
C611
C615
L403
L404
L405
L410
L510
L511
L512
L513
L514
X501
ZN401
ZN402
ZN404
ZN405
ZN406
Z1
Z2

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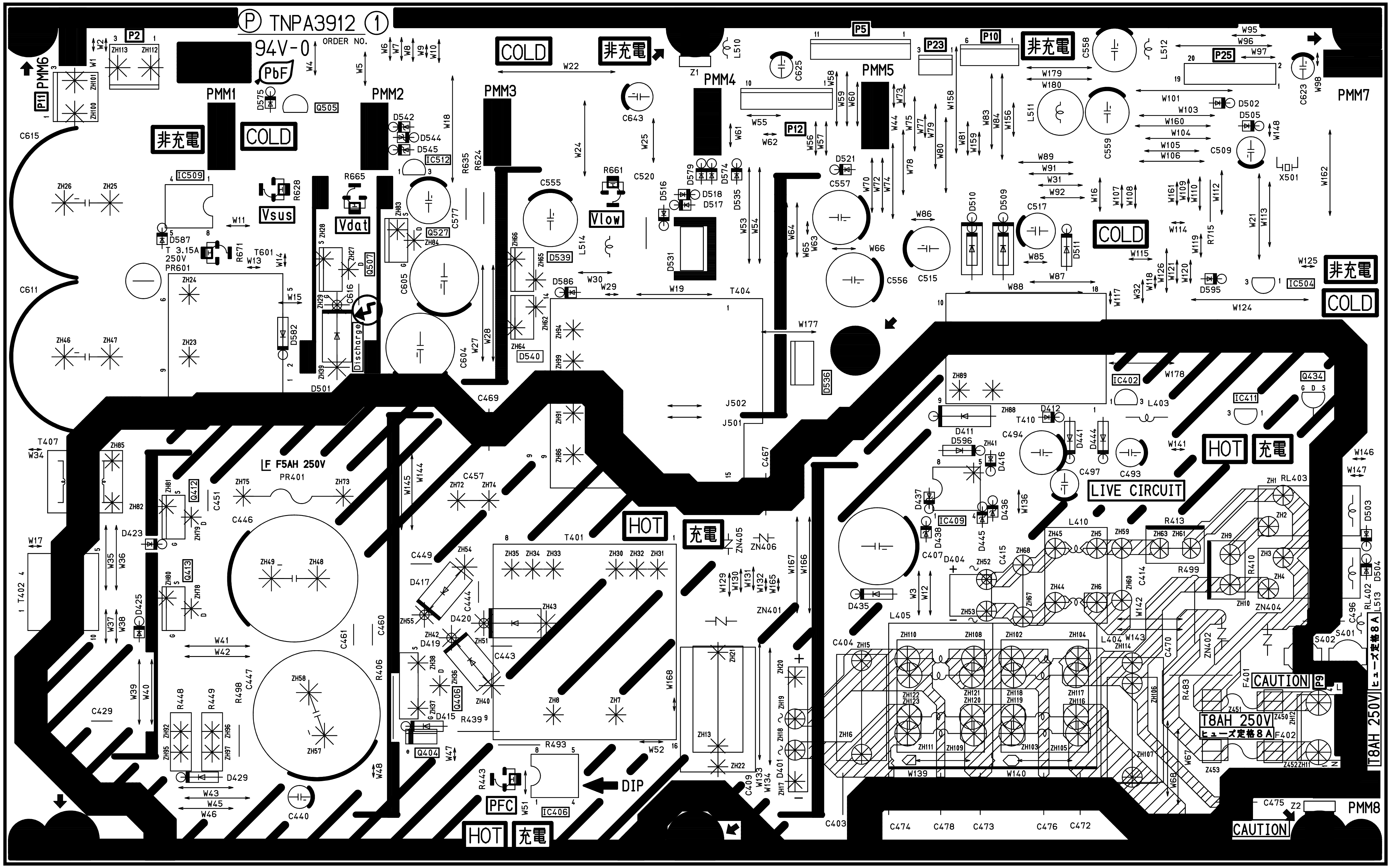
1

P-BOARD (COMPONENT SIDE)
TNPA3912AB


TNPA3912 ①
94V-0
ORDER NO.
PbF
P2
P5
P23
P10
P25
P11
P12
P9
PMM1
PMM2
PMM3
PMM4
PMM5
PMM6
PMM7
PMM8
COLD
非充電
HOT
充電
LIVE CIRCUIT
CAUTION
Vsus
Vdat
Vlow
PFC
DIP
Discharge
F5AH 250V
PR401
T 3.15A 250V
PR601
T8AH 250V
ヒューズ定格8A
IC509
IC512
IC402
IC411
IC409
IC406
IC504
Q505
Q527
Q507
Q412
Q413
Q406
Q404
Q434
D539
D540
D536
T401
T402
T404
T407
T410
T601
L403
L405
L410
L510
L511
L512
L513
L514
RL402
RL403
S401
S402
F401
F402
X501
Z1
Z2
J501
J502
C446
C447
C461
C460
C555
C556
C557
C604
C605
C611
C615
C643
C494
ZN401
ZN402
ZN404
ZN405
ZN406

A
B
C
D
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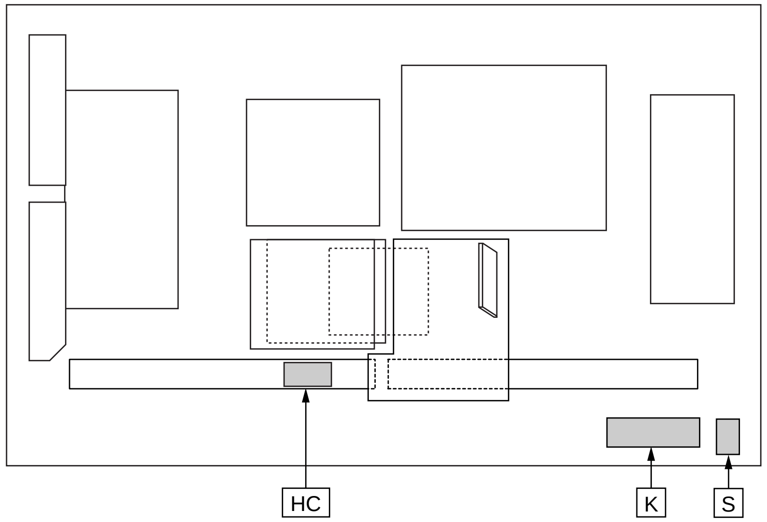
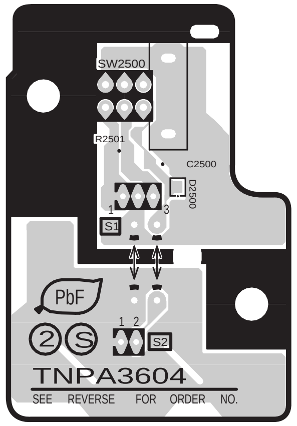
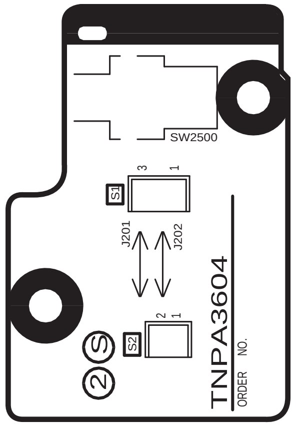
H
I



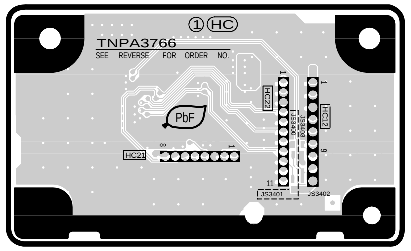
S-BOARD (FOIL SIDE)
TNPA3604AD


SW2500
R2501
C2500
D2500
S1
S2
PbF
2 S
TNPA3604
SEE REVERSE FOR ORDER NO.

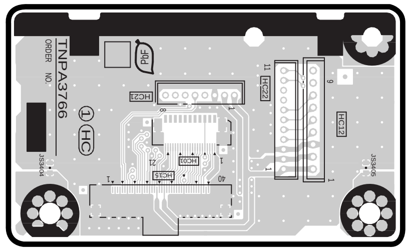
S-BOARD (COMPONENT SIDE)
TNPA3604AD


SW2500
S1
J201
J202
S2
2 S
TNPA3604
ORDER NO.

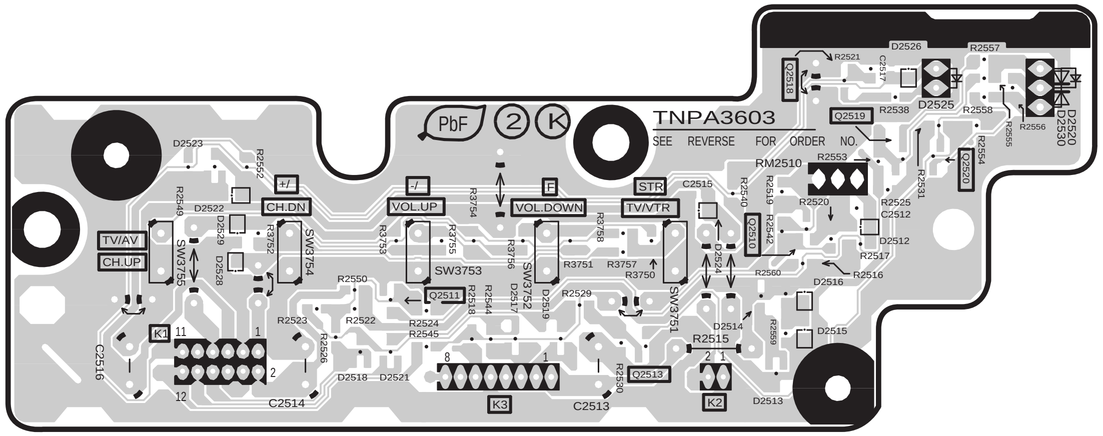
HC-BOARD (FOIL SIDE)
TNPA3766


1 HC
TNPA3766
SEE REVERSE FOR ORDER NO.
PbF
HC21
HC22
JS3401
JS3402

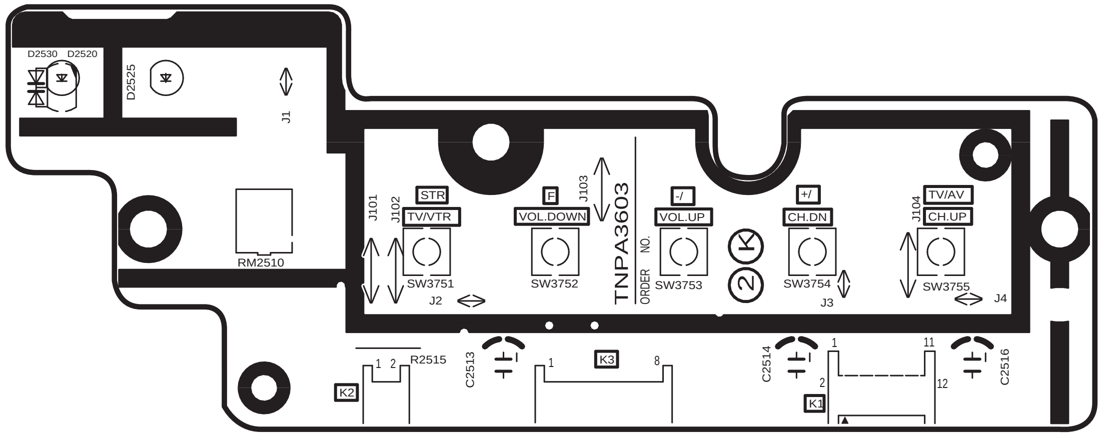
HC-BOARD (COMPONENT SIDE)
TNPA3766


TNPA3766
ORDER NO.
1 HC
PbF

K-BOARD (FOIL SIDE)
TNPA3603AF (PA60E)
TNPA3603AG (PD60B)


PbF
2 K
TNPA3603
SEE REVERSE FOR ORDER NO.
D2523
R2552
TV/AV
CH.UP
SW3755
+/
CH.DN
SW3754
-/
VOL.UP
SW3753
VOL.DOWN
SW3752
F
STR
TV/VTR
SW3751
RM2510
D2526
R2557
D2525
D2520
D2530
Q2519
Q2520
Q2510
Q2511
Q2513
K1
K2
K3
C2513
C2514
C2516
R2515

K-BOARD (COMPONENT SIDE)
TNPA3603AF (PA60E)
TNPA3603AG (PD60B)


D2530
D2520
D2525
J1
RM2510
J101
J102
STR
TV/VTR
SW3751
J2
F
VOL.DOWN
SW3752
J103
TNPA3603
ORDER NO.
-/
VOL.UP
SW3753
2 K
+/
CH.DN
SW3754
J3
J104
TV/AV
CH.UP
SW3755
J4
K2
R2515
C2513
K3
C2514
K1
C2516

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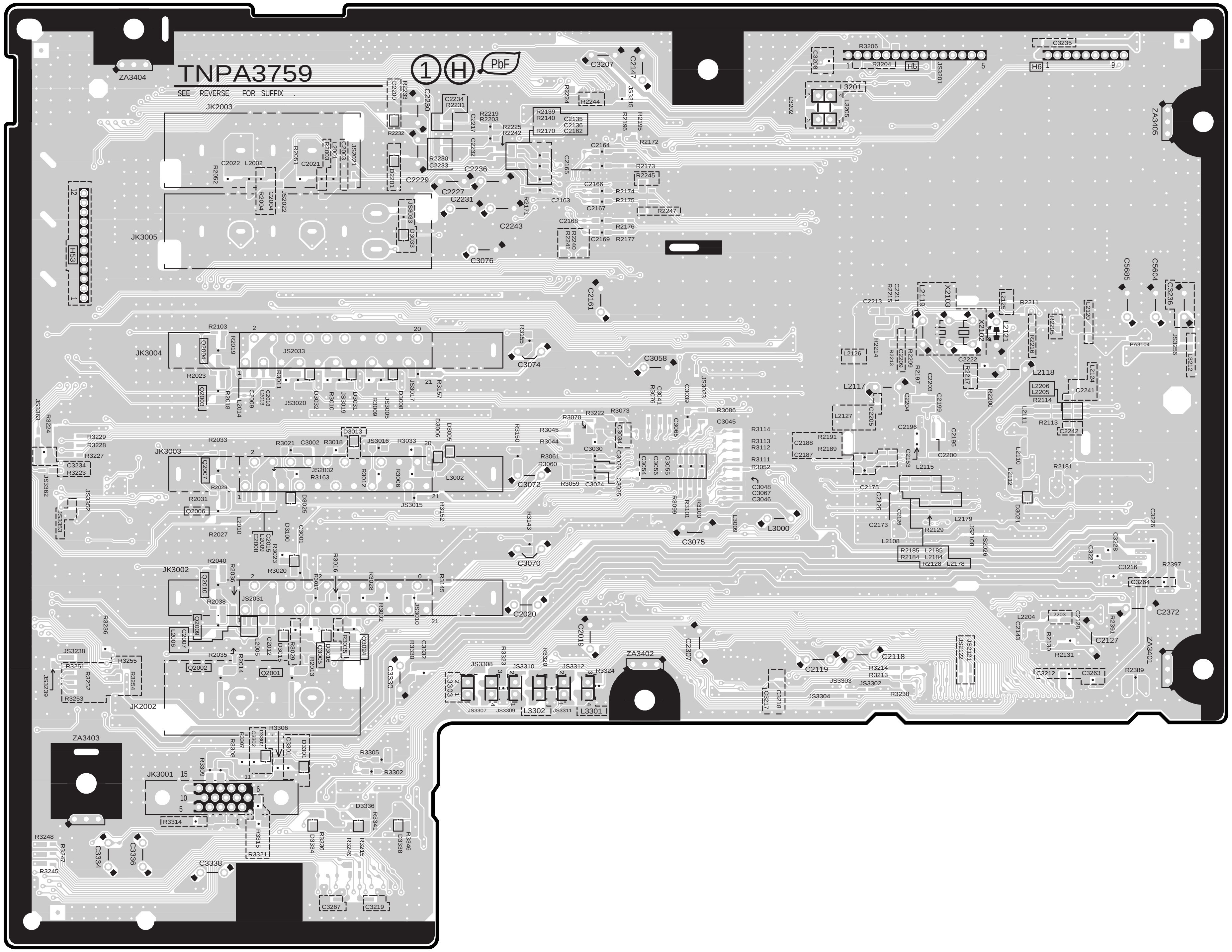
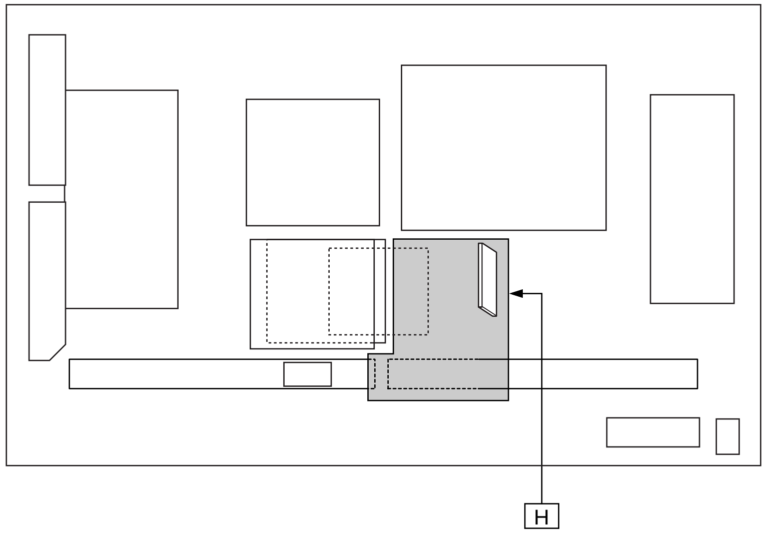
2

1

H-BOARD (FOIL SIDE)
TNPA3759AC


TNPA3759
SEE REVERSE FOR SUFFIX
① Ⓗ PbF
ZA3404
JK2003
JK3005
JK3004
JK3003
JK3002
JK2002
JK3001
ZA3403
ZA3402
ZA3401
ZA3405
H53
H5
H6
C3207
C2147
C2229
C2230
C2236
C2227
C2231
C2243
C3076
C2161
C3058
C3074
C3072
C3070
C3075
L3000
C2020
C2019
C2307
C3330
C3334
C3336
C3338
L3303
L3302
L3301
C2119
C2118
L3201
L2117
L2118
L2119
X2103
X2102
C2127
C2372
C5695
C5604
C3236
Q2001
Q2002
Q2003
Q2004
Q2006
Q2007
Q2009
Q2010
Q3005
Q3024

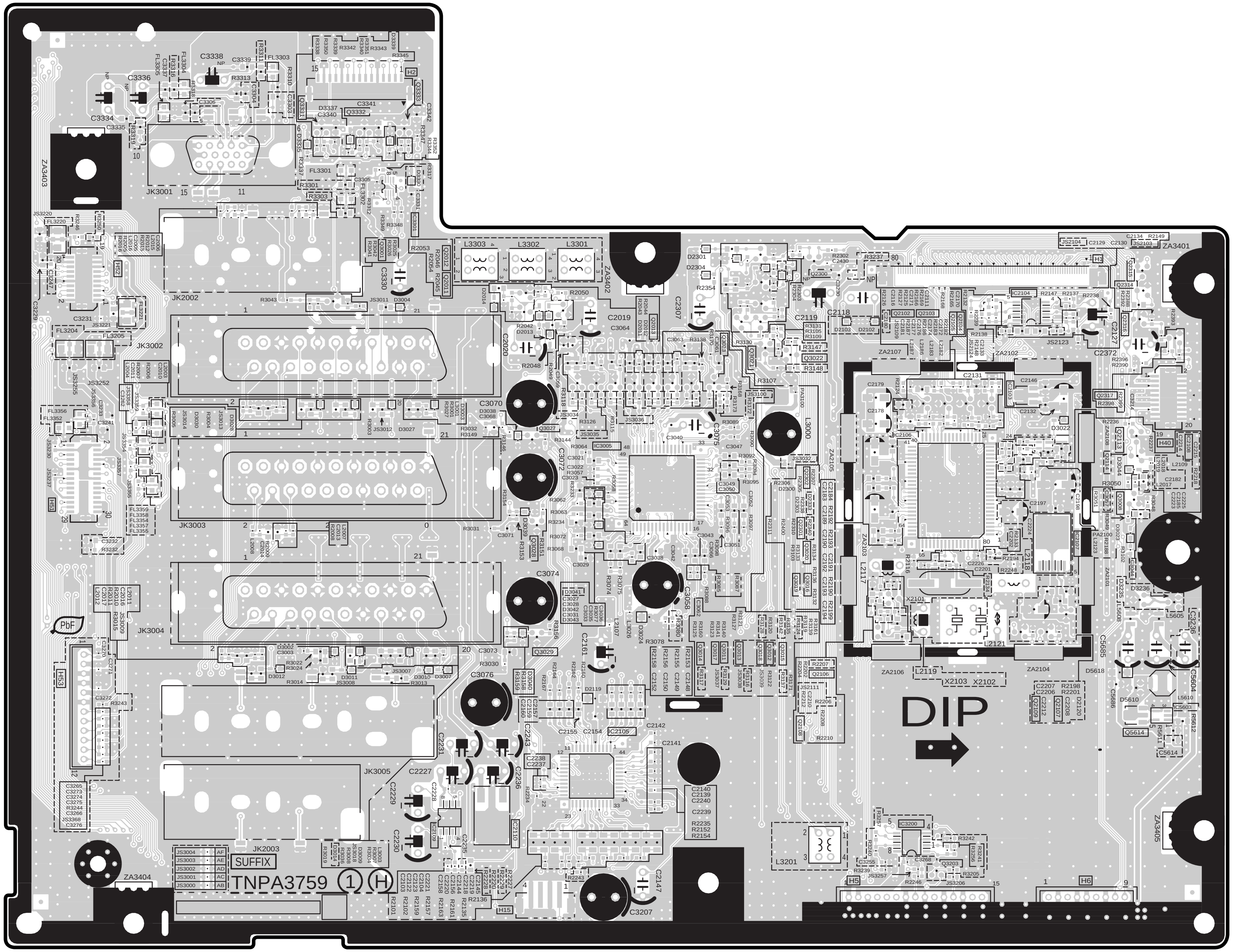


Parts Location

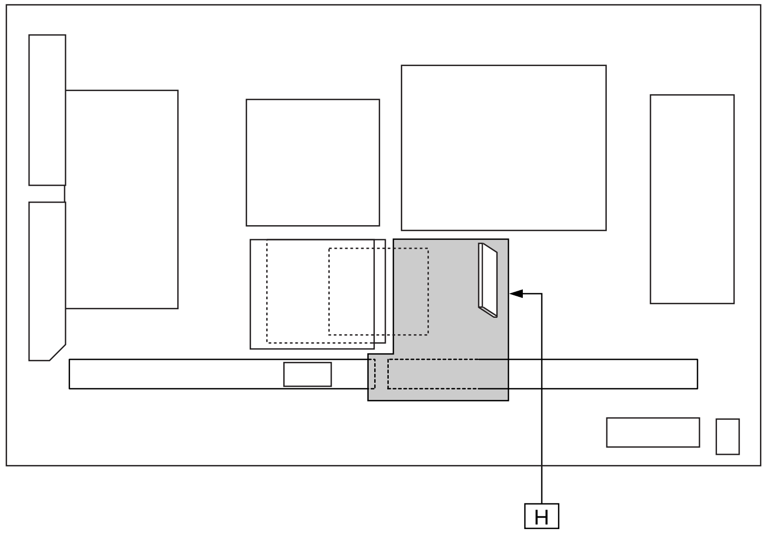
H-BOARD (FOIL SIDE)			
TRANSISTOR		Q3005	B-3
		Q3024	C-3
Q2001	B-2		
Q2002	B-2		
Q2003	B-4		
Q2004	B-4		
Q2006	B-3		
Q2007	B-3		
Q2009	B-3		
Q2010	B-3		

A B C D E F G H I

H-BOARD (COMPONENT SIDE)
TNPA3759AC



JK3001
JK2002
JK3002
JK3003
JK3004
JK3005
JK2003
ZA3401
ZA3402
ZA3403
ZA3404
ZA3405
L3303
L3302
L3301
L3000
L3201
PbF
SUFFIX
TNPA3759
①
H
DIP
H2
H3
H5
H6
H15
JS3004 AF
JS3003 AE
JS3002 AD
JS3001 AC
JS3000 AB



Parts Location

H-BOARD (COMPONENT SIDE)	
IC	
IC2103	F-4
IC2104	F-4
IC2105	D-2
IC2106	E-4
IC2107	F-3
IC2108	G-4
IC2109	C-2
IC2110	C-2
IC3005	D-4
IC3200	E-2
IC3301	C-5
IC5603	G-2
TRANSISTOR	
Q2011	C-4
Q2012	C-5
Q2013	C-4
Q2102	E-4
Q2103	E-4
Q2104	E-4
Q2105	E-4
Q2106	E-2
Q2107	F-2
Q2108	E-2
Q2109	F-2
Q2113	F-4
Q2114	F-4
Q2300	E-4
Q2301	E-3
Q2302	E-3
Q2314	F-4
Q2315	F-5
Q2316	F-4
Q2317	F-4
Q3001	C-5
Q3008	F-3
Q3011	D-3
Q3012	E-3
Q3013	D-3
Q3014	D-3
Q3015	E-3
Q3016	E-3
Q3017	D-3
Q3018	E-3
Q3019	E-3
Q3020	E-3
Q3021	D-4
Q3022	E-4
Q3023	D-4
Q3027	C-4
Q3028	C-3
Q3029	C-3
Q3203	E-2
Q3331	B-5
Q3332	B-5
Q3333	C-5
Q5614	F-2

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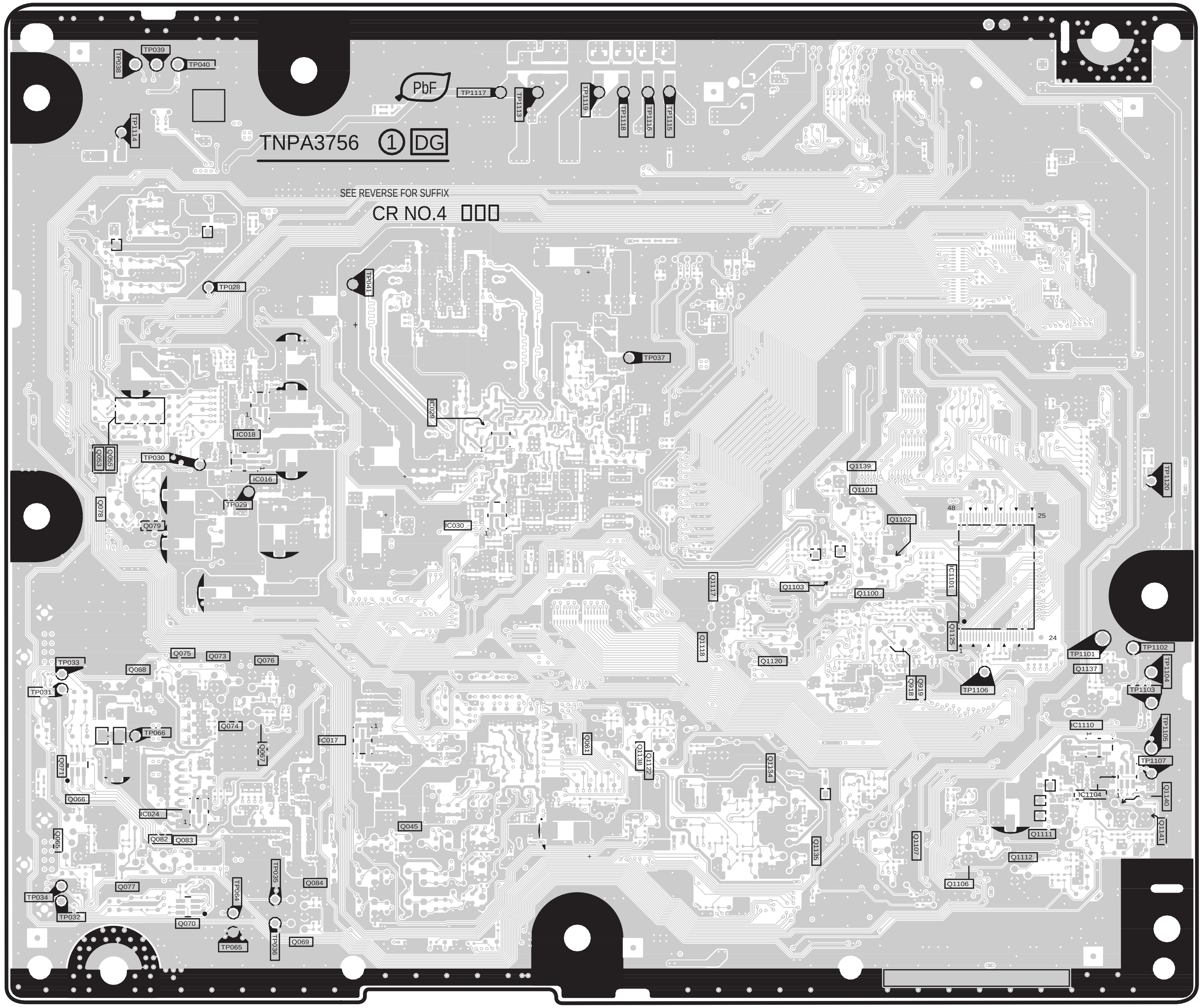
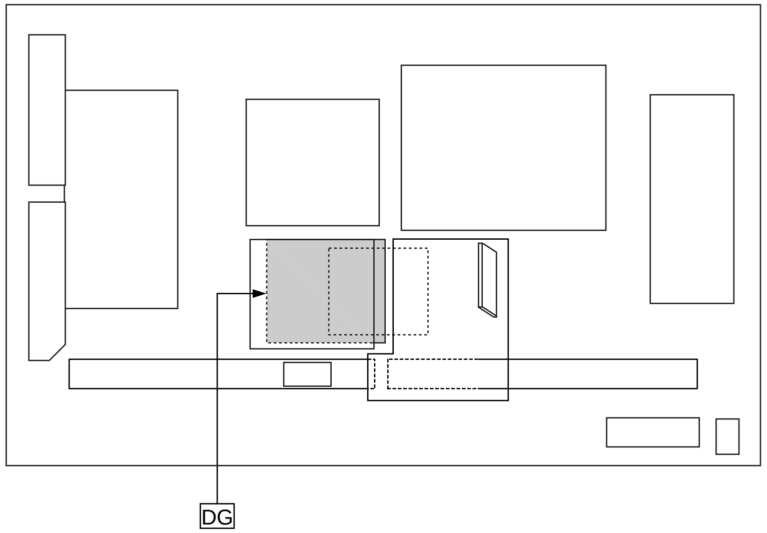
TH-37/42PA60E, TH-37/42PD60B
H-BOARD TNPA3759AC

A B C D E F G H I

DG-BOARD (FOIL SIDE)
TNPA3756CC (PA60E)
TNPA3756CJ (PD60B)


TNPA3756 ① DG
PbF
SEE REVERSE FOR SUFFIX
CR NO.4
TP039
TP038
TP040
TP4114
TP1117
TP1113
TP1119
TP1118
TP1116
TP1115
TP028
TP041
TP037
IC018
IC016
IC026
IC030
Q053
Q052
TP030
TP029
Q078
Q079
Q1139
Q1101
Q1102
48
25
24
1
IC1101
Q1117
Q1103
Q1100
Q1125
Q1118
Q1120
Q1119
Q1116
TP1106
TP1120
TP1101
TP1102
Q1137
TP1104
TP1103
TP033
TP031
Q068
Q075
Q073
Q076
TP066
Q074
Q071
IC017
Q081
Q1138
Q1122
Q1134
Q067
Q066
IC024
Q082
Q083
Q065
Q045
IC1110
TP1105
TP1107
IC1104
Q1140
Q1141
Q1111
Q1112
Q1135
Q1107
Q1106
TP064
TP035
Q084
Q077
TP034
TP032
Q070
TP065
TP036
Q069



Parts Location

DG-BOARD (FOIL SIDE)

IC

IC1101	E-3
IC1104	F-2
IC1110	F-2
IC4016	B-3
IC4017	B-2
IC4018	B-4
IC4024	B-2
IC4029	C-4
IC4030	C-3

TRANSISTOR

Q1100	E-3
Q1101	E-3
Q1102	E-3
Q1103	E-3
Q1106	E-1
Q1107	E-2
Q1111	F-2
Q1112	F-2
Q1117	D-3
Q1118	D-3
Q1120	E-3
Q1122	D-2
Q1125	E-3
Q1134	E-2
Q1135	E-2
Q1137	F-2
Q1138	D-2
Q1139	E-3
Q1140	F-2
Q1141	F-2
Q4045	C-2
Q4053	A-3
Q4055	A-3
Q4061	D-2
Q4065	A-2
Q4066	A-2
Q4067	B-2
Q4068	B-2
Q4069	B-1
Q4070	B-1
Q4071	A-2
Q4073	B-3
Q4074	B-2
Q4075	B-3
Q4076	B-3
Q4077	B-1
Q4078	A-3
Q4079	B-3
Q4082	B-2
Q4083	B-2
Q4084	B-1
Q4918	E-2
Q4919	E-2

TP

TP1101	F-3
TP1102	F-3
TP1103	F-2
TP1104	F-2
TP1105	F-2
TP1106	F-2
TP1107	F-2
TP1113	C-5
TP1114	B-5
TP1115	D-5
TP1116	D-5
TP1117	C-5
TP1118	D-5
TP1119	D-5
TP1120	F-3
TP4028	B-4
TP4029	B-3
TP4030	B-3
TP4031	A-2
TP4032	A-4
TP4033	A-3
TP4034	A-1
TP4035	B-1
TP4036	B-1
TP4037	D-4
TP4038	B-5
TP4039	B-5
TP4040	B-5
TP4041	C-4
TP4064	B-1
TP4065	B-1
TP4066	B-2

6
5
4
3
2
1

TH-37/42PA60E
DG-BOARD TNPA3756CC

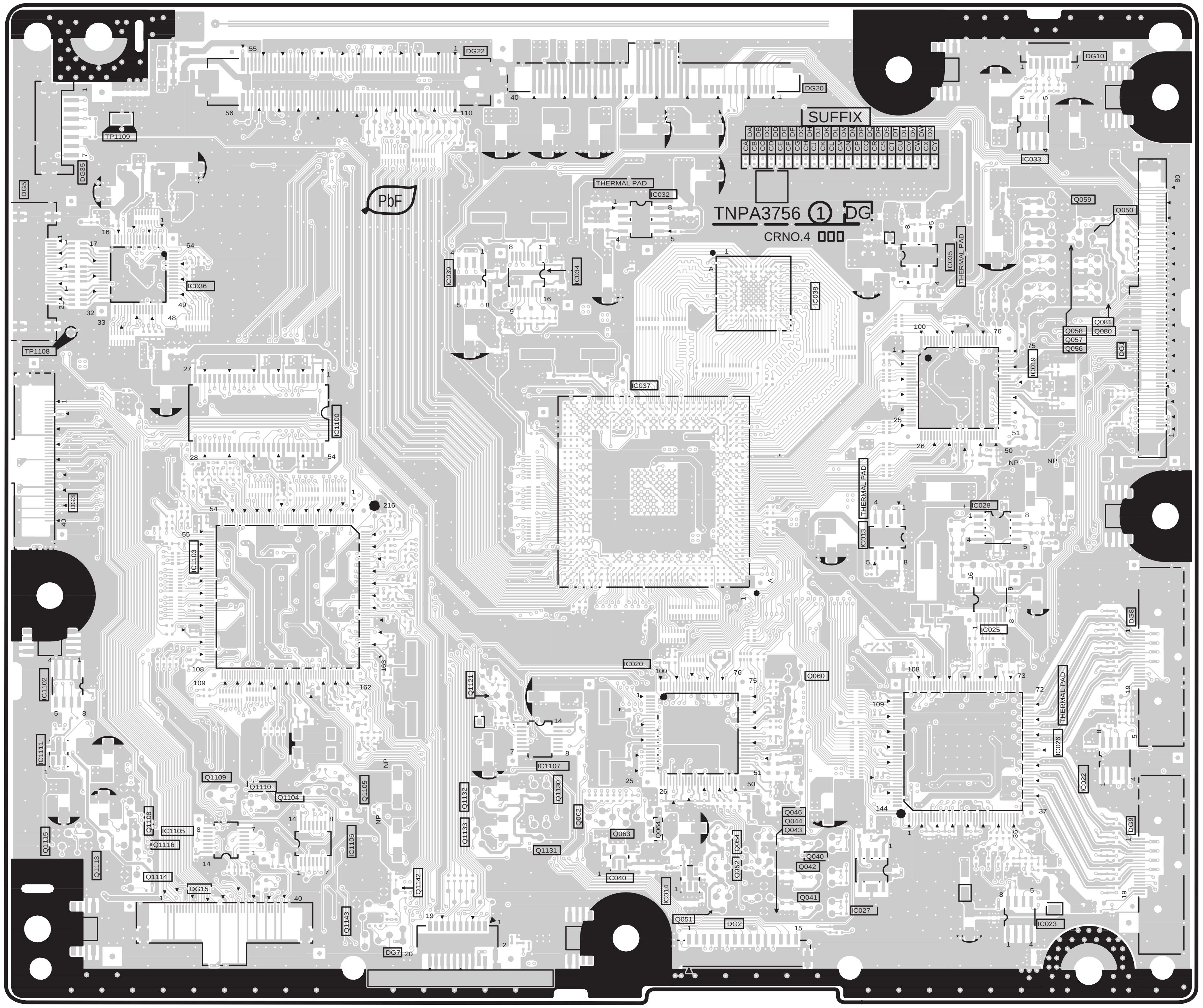
TH-37/42PD60B
DG-BOARD TNPA3756CJ

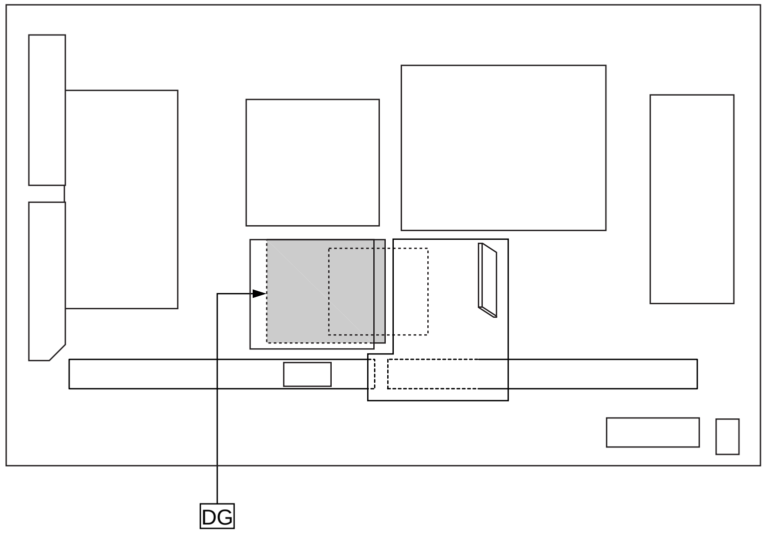
TH-37/42PA60E
DG-BOARD TNPA3756CC

TH-37/42PD60B
DG-BOARD TNPA3756CJ

A B C D E F G H I

DG-BOARD (COMPONENT SIDE)
TNPA3756CC (PA60E)
TNPA3756CJ (PD60B)


SUFFIX
TNPA3756 ① DG
CRNO.4
PbF
THERMAL PAD
TP1109
TP1108
DG5
DG35
DG20
DG22
DG10
DG3
DG33
DG8
DG9
DG15
DG7
DG2
IC032
IC033
IC034
IC035
IC036
IC037
IC038
IC039
IC1100
IC1102
IC1103
IC1105
IC1106
IC1107
IC1111
IC020
IC013
IC014
IC022
IC023
IC025
IC026
IC027
IC028
IC040
Q050
Q051
Q056
Q057
Q058
Q059
Q060
Q062
Q063
Q064
Q080
Q081
Q040
Q041
Q042
Q043
Q044
Q046
Q1104
Q1105
Q1108
Q1109
Q1110
Q1113
Q1114
Q1115
Q1116
Q1121
Q1130
Q1131
Q1132
Q1133
Q1142
Q1143
NP



Parts Location

DG-BOARD (COMPONENT SIDE)

IC	
IC1100	C-4
IC1102	A-2
IC1103	B-3
IC1105	B-2
IC1106	C-2
IC1107	D-2
IC1111	A-2
IC4013	E-3
IC4014	D-1
IC4019	F-4
IC4020	D-3
IC4022	F-2
IC4023	F-1
IC4025	F-3
IC4026	F-2
IC4027	E-1
IC4028	F-3
IC4032	D-5
IC4033	F-5
IC4034	D-4
IC4035	E-4
IC4036	B-4
IC4037	D-4
IC4038	E-4
IC4039	C-4
IC4040	D-2

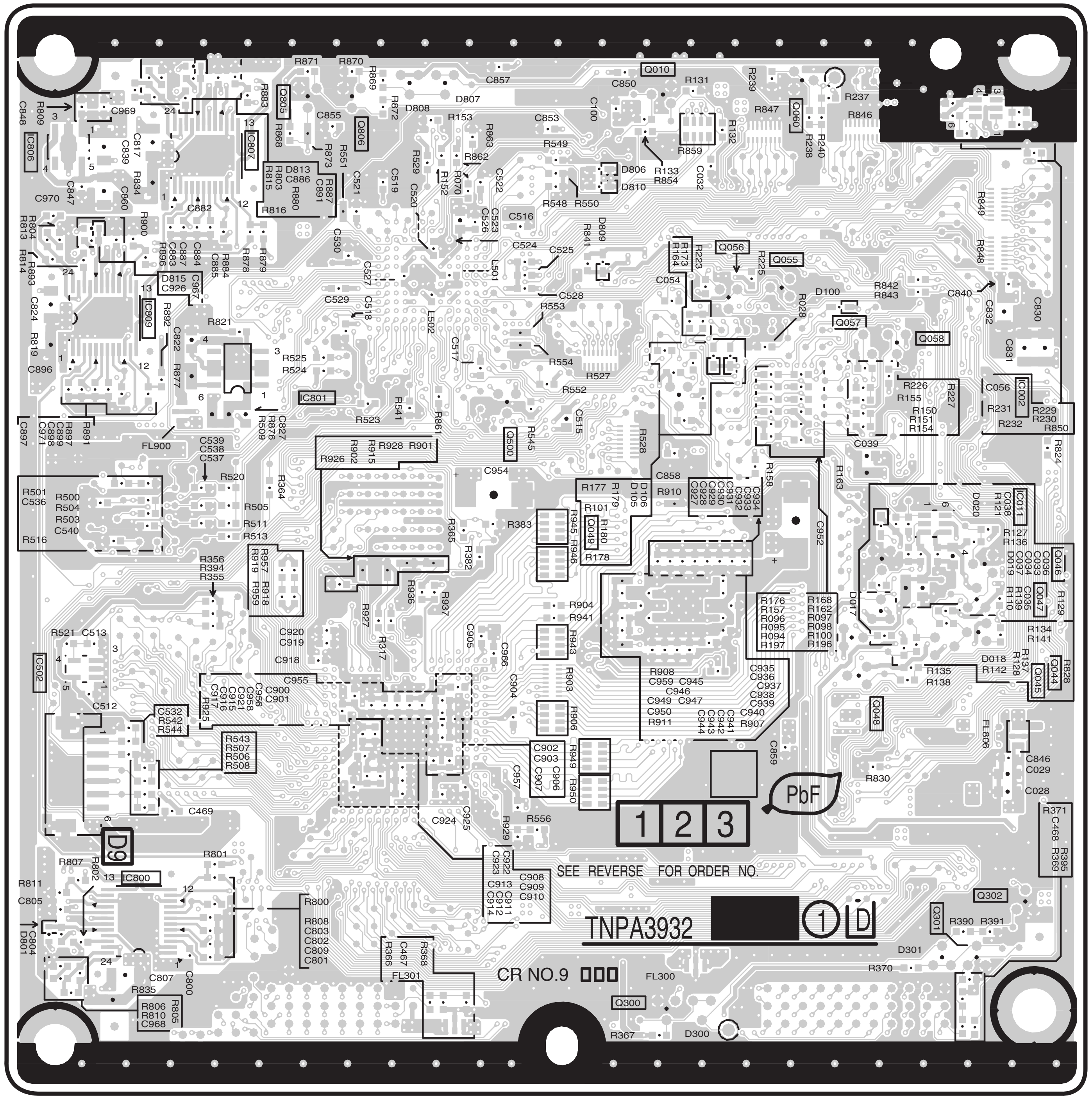
TRANSISTOR	
Q1104	B-2
Q1105	C-2
Q1108	B-2
Q1109	B-2
Q1110	B-2
Q1113	A-2
Q1114	B-2
Q1115	A-2
Q1116	B-2
Q1121	C-2
Q1130	D-2
Q1131	D-2
Q1132	C-2
Q1133	C-2
Q1142	C-1
Q1143	C-1
Q4040	E-2
Q4041	E-1
Q4042	E-2
Q4043	E-2
Q4044	E-2
Q4046	E-2
Q4050	F-5
Q4051	D-1
Q4052	D-2
Q4054	D-2
Q4056	F-4
Q4057	F-4
Q4058	F-4
Q4059	F-5
Q4060	E-2
Q4062	D-2
Q4063	D-2
Q4064	D-2
Q4080	F-4
Q4081	F-4

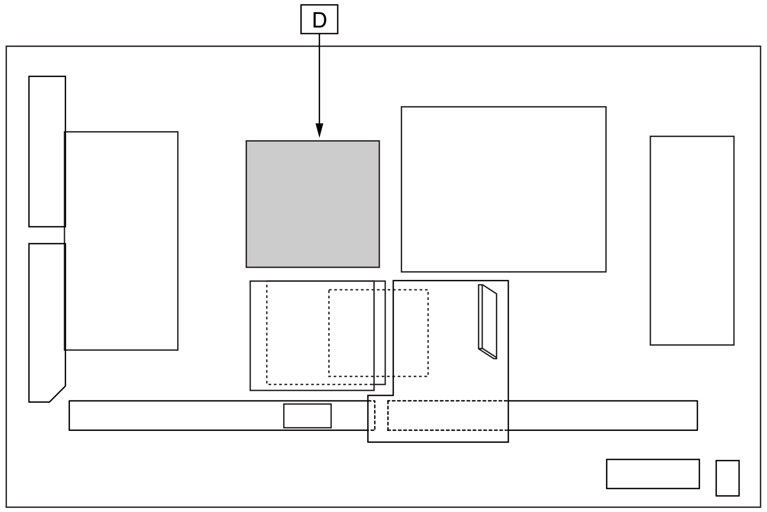
TP	
TP1108	A-4
TP1109	A-5

6
5
4
3
2
1

A B C D E F G H I

D-BOARD (FOIL SIDE)
TZTNP01BMTB

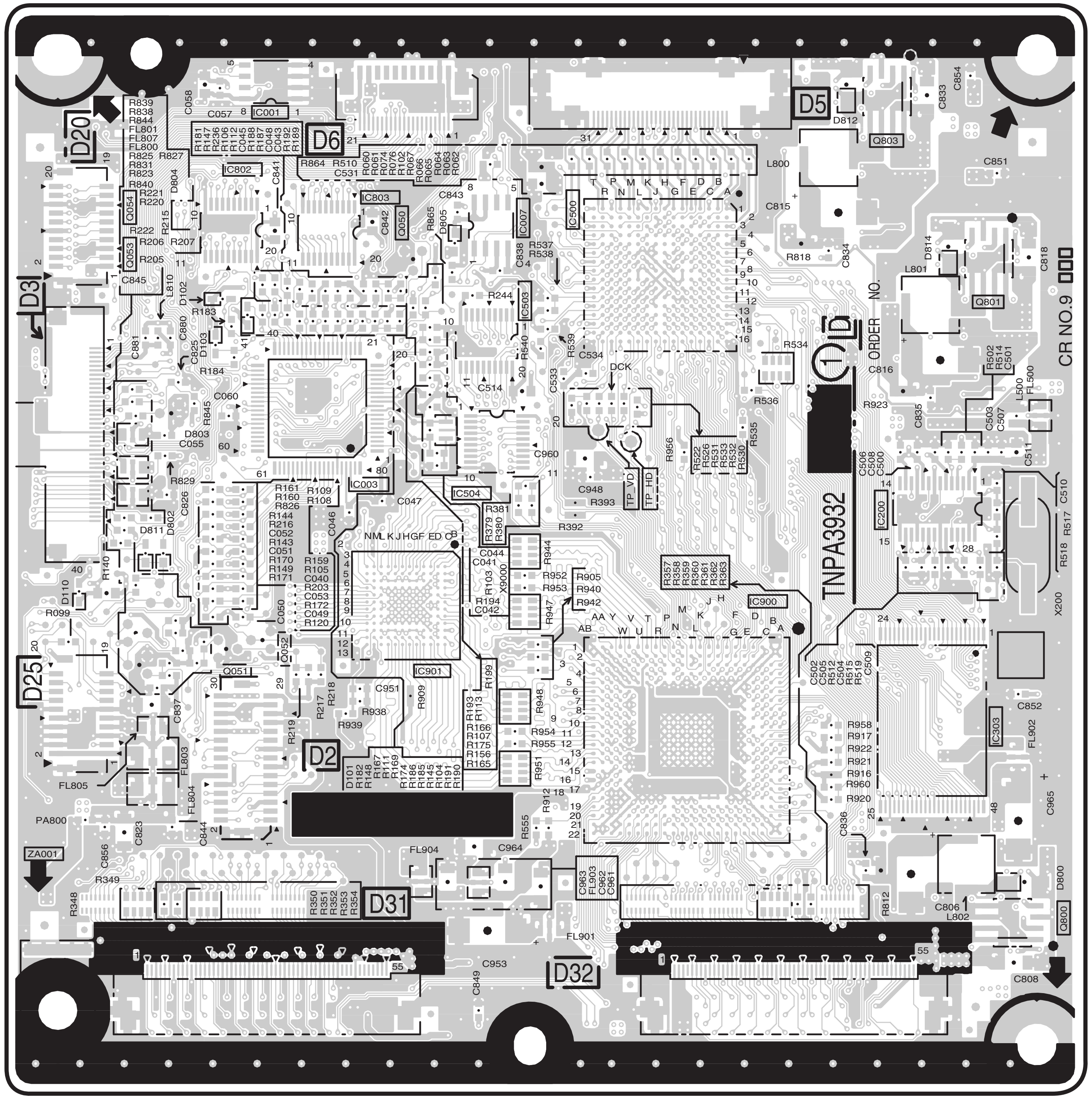

1 2 3
PbF
SEE REVERSE FOR ORDER NO.
TNPA3932
① D
CR NO.9
D9
IC800
IC801
IC806
IC807
IC809
IC502
IC002
IC011
Q010
Q055
Q056
Q057
Q058
Q060
Q500
Q300
Q301
Q302
FL900
FL300
FL806
A B C D E F G H I
1 2 3 4 5 6

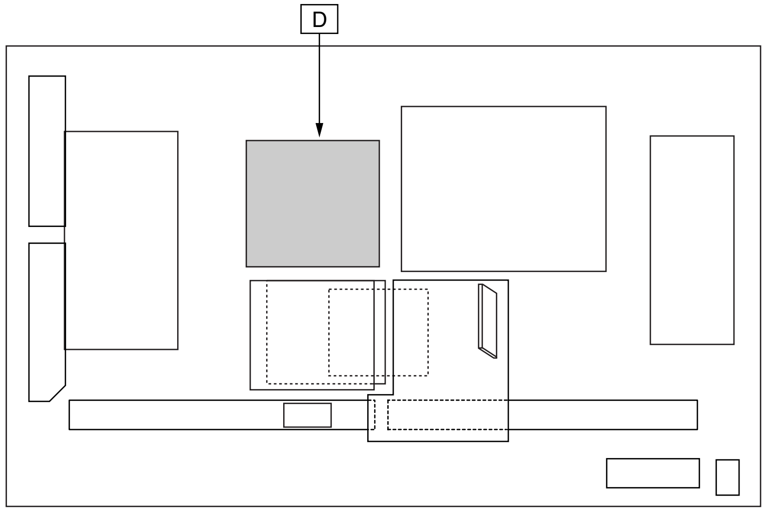


Parts Location

D-BOARD (FOIL SIDE)			
IC		TRANSISTOR	
IC9002	E-4	Q9010	D-5
IC9011	E-3	Q9044	E-3
IC9502	A-3	Q9045	E-3
IC9800	A-2	Q9046	E-3
IC9801	B-1	Q9047	E-3
IC9806	A-5	Q9048	D-2
IC9807	B-5	Q9049	C-3
IC9809	A-4	Q9055	D-4
		Q9056	D-4
		Q9057	D-4
		Q9058	E-4
		Q9060	D-5
		Q9300	C-1
		Q9301	E-2
		Q9302	E-2
		Q9500	C-4
		Q9805	B-5
		Q9806	B-5

D-BOARD (COMPONENT SIDE)
TZTNP01BMTB


D20
D3
D25
D2
D31
D32
D5
D6
IC001
IC002
IC003
IC007
IC500
IC503
IC504
IC802
IC803
IC900
IC901
IC303
Q050
Q051
Q052
Q053
Q054
Q800
Q801
Q803
TP_VD
TP_HD
DCK
X9000
X200
L800
L801
L802
FL500
FL800
FL801
FL803
FL804
FL805
FL807
FL901
FL902
FL903
FL904
PA800
ZA001
D800
D812
D814
TNPA3932
CR NO.9
ORDER NO.
55
1

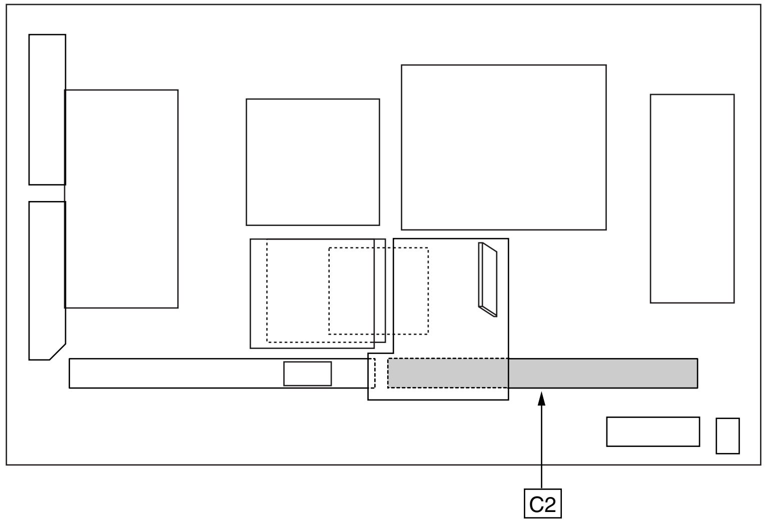


Parts Location

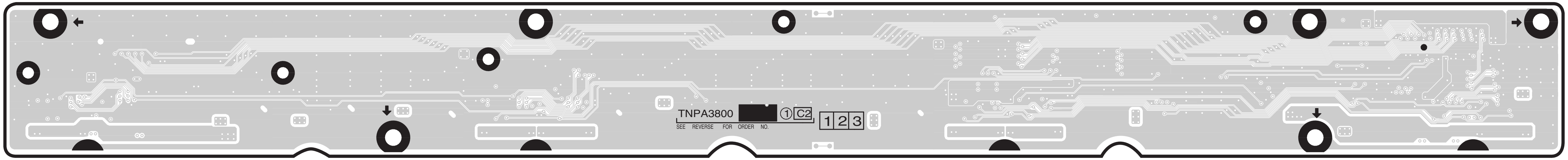
D-BOARD (COMPONENT SIDE)			
IC		**TRANSISTOR**	
IC9001	B-5	Q9050	B-5
IC9003	B-3	Q9051	B-3
IC9007	C-5	Q9052	B-3
IC9200	D-3	Q9053	A-4
IC9303	E-2	Q9054	A-5
IC9500	C-5	Q9800	E-2
IC9503	C-4	Q9801	E-4
IC9504	C-3	Q9803	D-5
IC9802	B-5	**TP**	
IC9803	B-5	TP_HD	C-3
IC9900	D-3	TP_VD	C-3
IC9901	C-3		

Parts Location

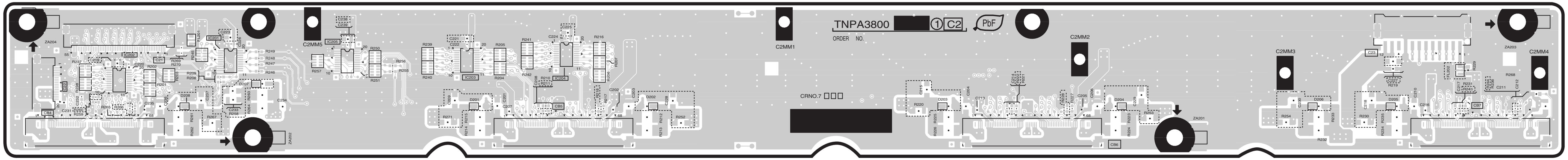
C2-BOARD	
IC	
IC7201	B-2
IC7202	A-2
IC7203	C-2
IC7204	D-2
IC7205	C-2



C2-BOARD (FOIL SIDE)
TNPA3800AB

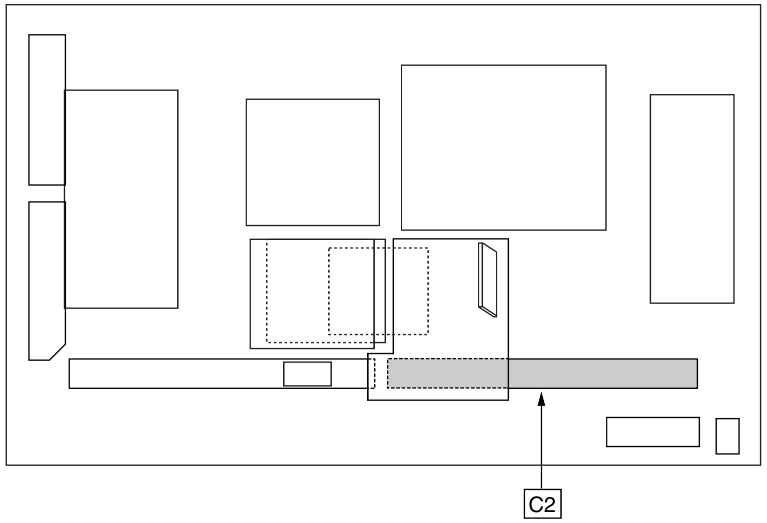

TNPA3800
①C2
SEE REVERSE FOR ORDER NO.
1 2 3

C2-BOARD (COMPONENT SIDE)
TNPA3800AB

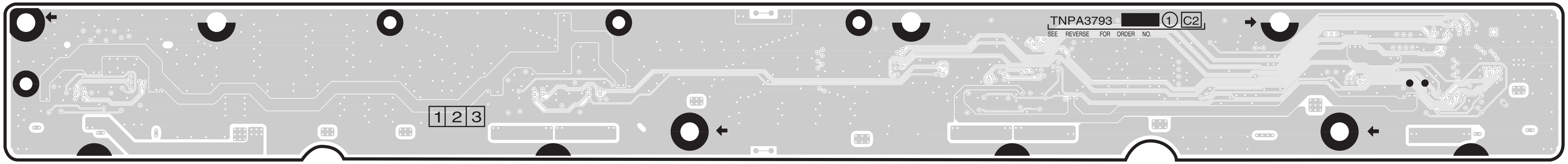

TNPA3800
①C2
ORDER NO.
PbF
C2MM1
C2MM2
C2MM3
C2MM4
C2MM5
CRNO.7
ZA201
ZA202
ZA203
ZA204

Parts Location

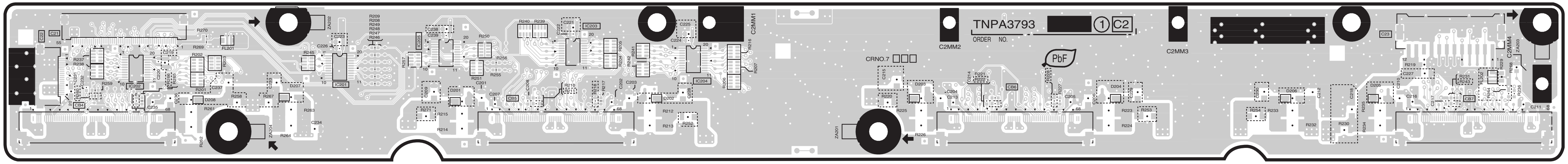
C2-BOARD	
IC	
IC7201	C-2
IC7202	A-2
IC7203	D-2
IC7204	E-2
IC7205	C-2



C2-BOARD (FOIL SIDE)
TNPA3793AB

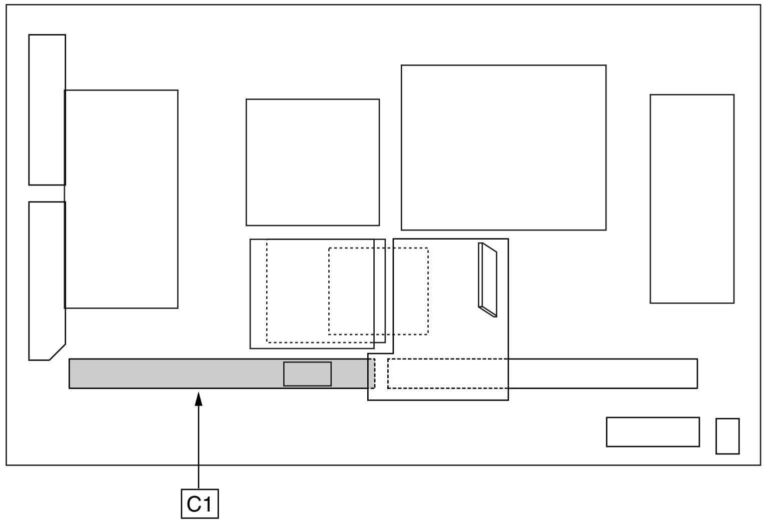

TNPA3793
①
C2
SEE REVERSE FOR ORDER NO.
1
2
3

C2-BOARD (COMPONENT SIDE)
TNPA3793AB

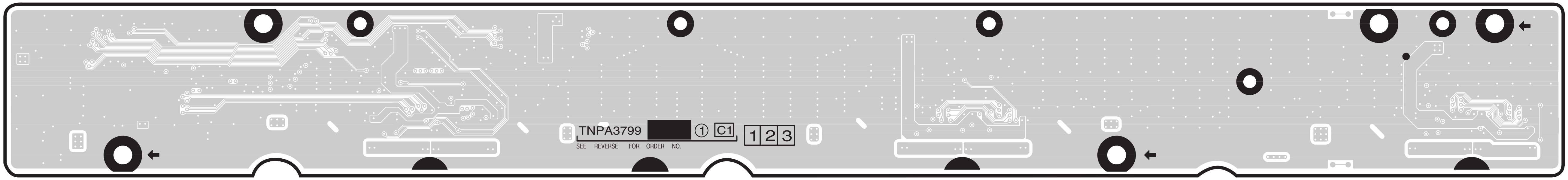

TNPA3793
①
C2
ORDER NO.
PbF
CRNO.7
C2MM1
C2MM2
C2MM3
C2MM4
IC201
IC204
ZA201
C21
C23

Parts Location

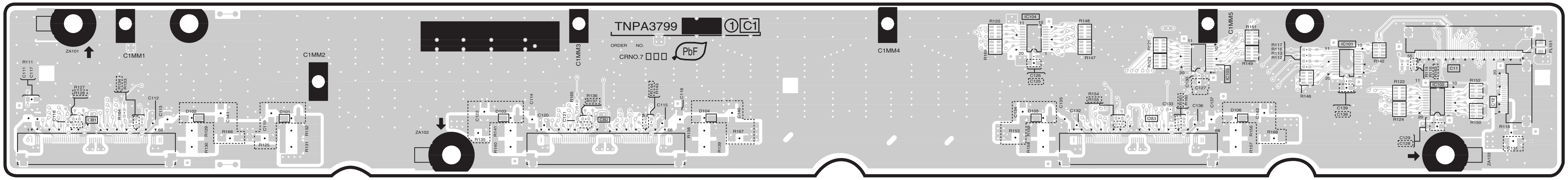
C1-BOARD	
IC	
IC7101	H-2
IC7102	I-1
IC7103	G-2
IC7104	F-2



C1-BOARD (FOIL SIDE)
TNPA3799AB


TNPA3799
①
C1
SEE REVERSE FOR ORDER NO.
1 2 3

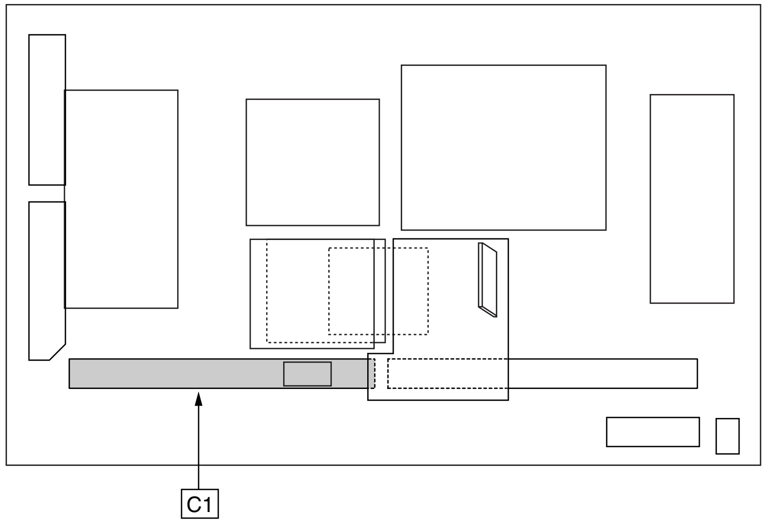
C1-BOARD (COMPONENT SIDE)
TNPA3799AB


TNPA3799
①
C1
ORDER NO.
CRNO.7
PbF
ZA101
ZA102
ZA103
C1MM1
C1MM2
C1MM3
C1MM4
C1MM5
D101
D102
D103
D104
D105
D106
IC101
IC102
IC103
IC104
FL101
R111
C111
C117
R127
R128
R133
R134
C112
C113
R164
R130
R129
R166
R125
R131
R132
C114
R135
R140
R141
C120
R136
R137
R165
C115
C116
R138
R139
R167
C140
R120
R148
R147
R126
C125
R154
R155
C132
R153
R158
R159
C133
C136
C137
R146
R149
R151
R117
R116
R113
R112
R142
R152
R122
R124
R150
R118
C139
C128
C129
C130
C131

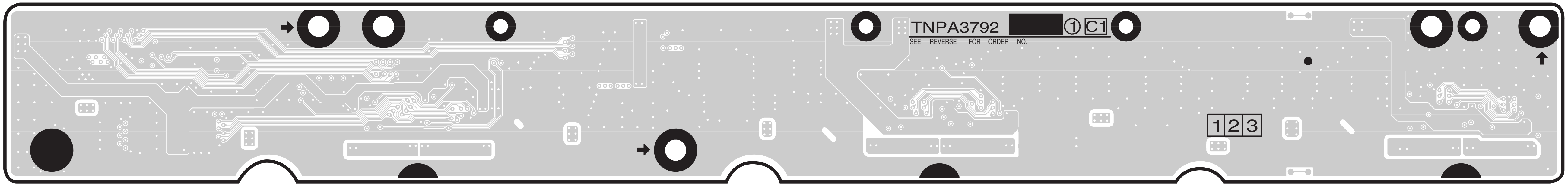
TH-42PA60E, TH-42PD60B
C1-BOARD TNPA3799AB

Parts Location

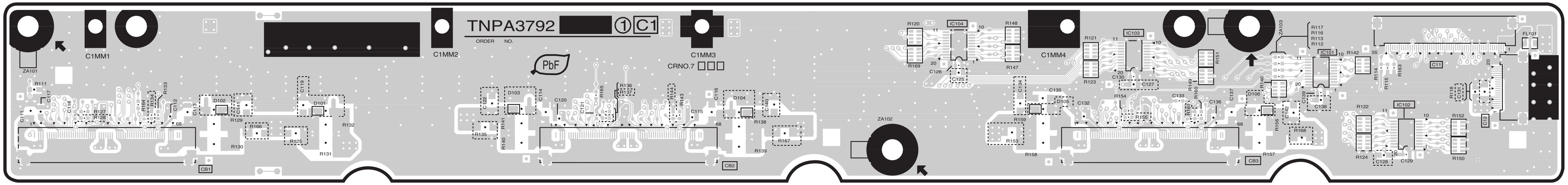
C1-BOARD	
IC	
IC7101	H-2
IC7102	I-1
IC7103	G-2
IC7104	F-2



C1-BOARD (FOIL SIDE)
TNPA3792AB

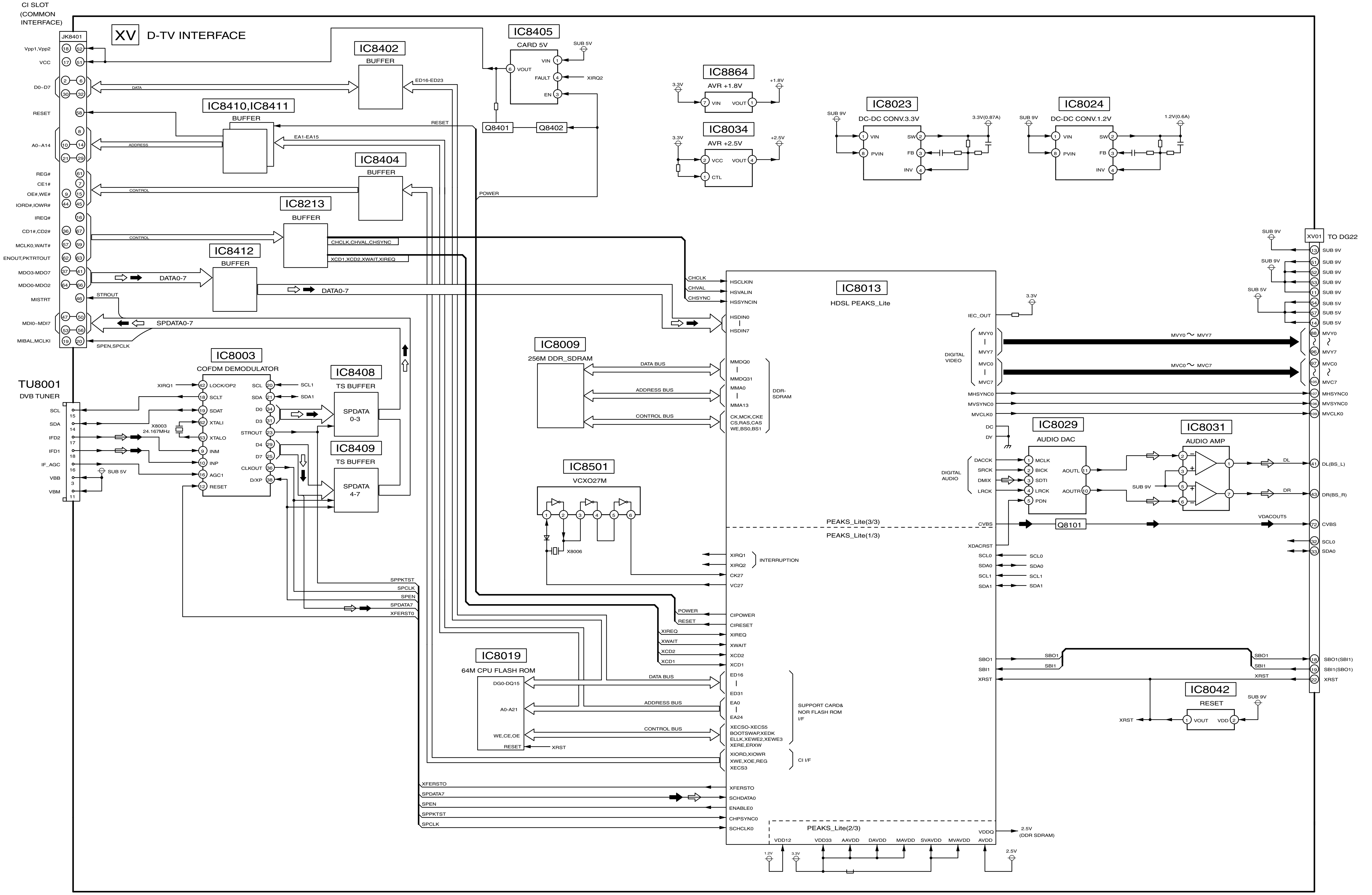

TNPA3792
①
C1
SEE REVERSE FOR ORDER NO.
1
2
3

C1-BOARD (COMPONENT SIDE)
TNPA3792AB

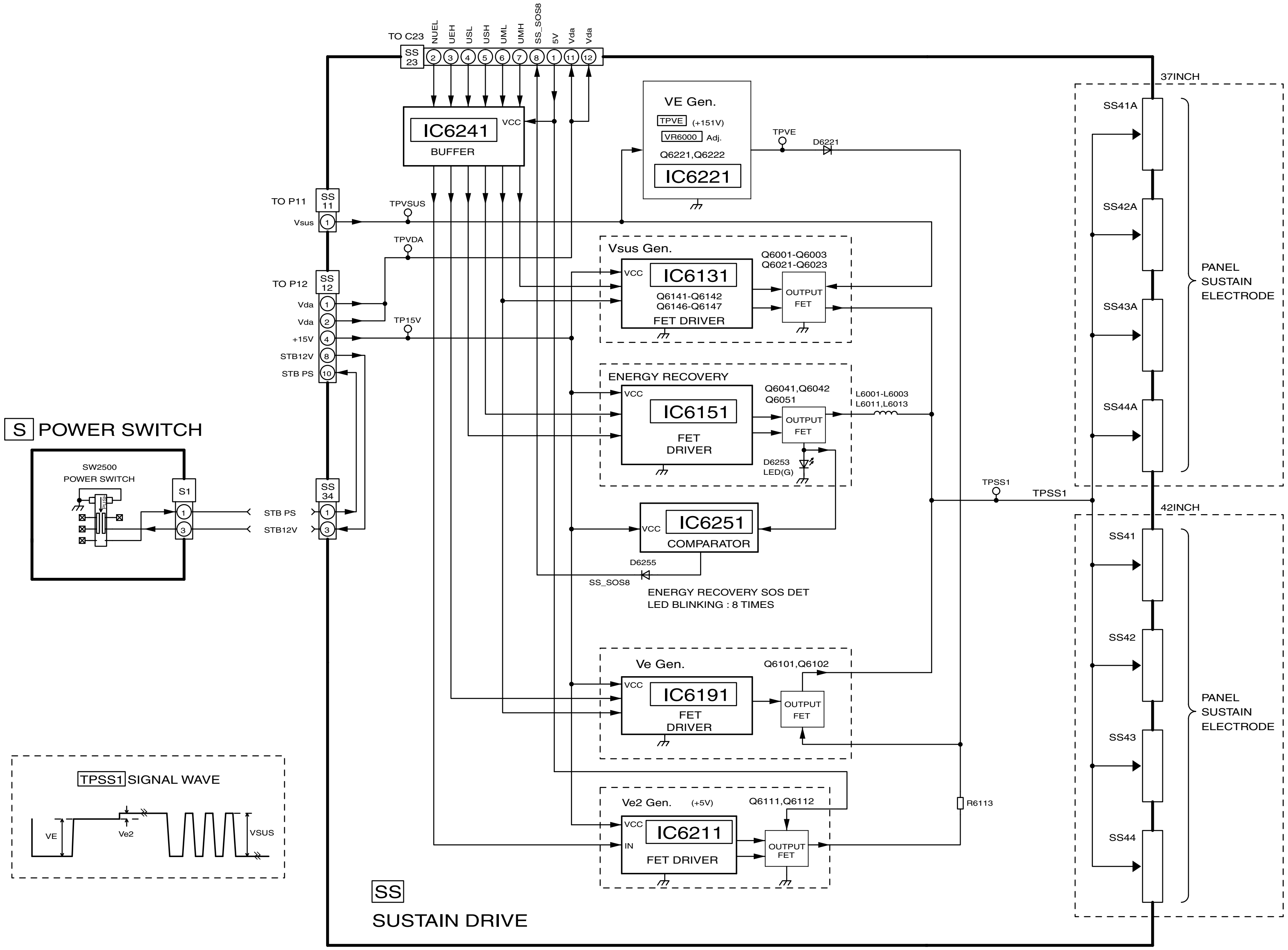

TNPA3792
①
C1
ORDER NO.
PbF
CRNO.7
C1MM1
C1MM2
C1MM3
C1MM4
ZA101
ZA102
ZA103
IC101
IC102
IC103
IC104
CB1
CB2
CB3
D101
D102
D103
D104
D105
D106
FL101

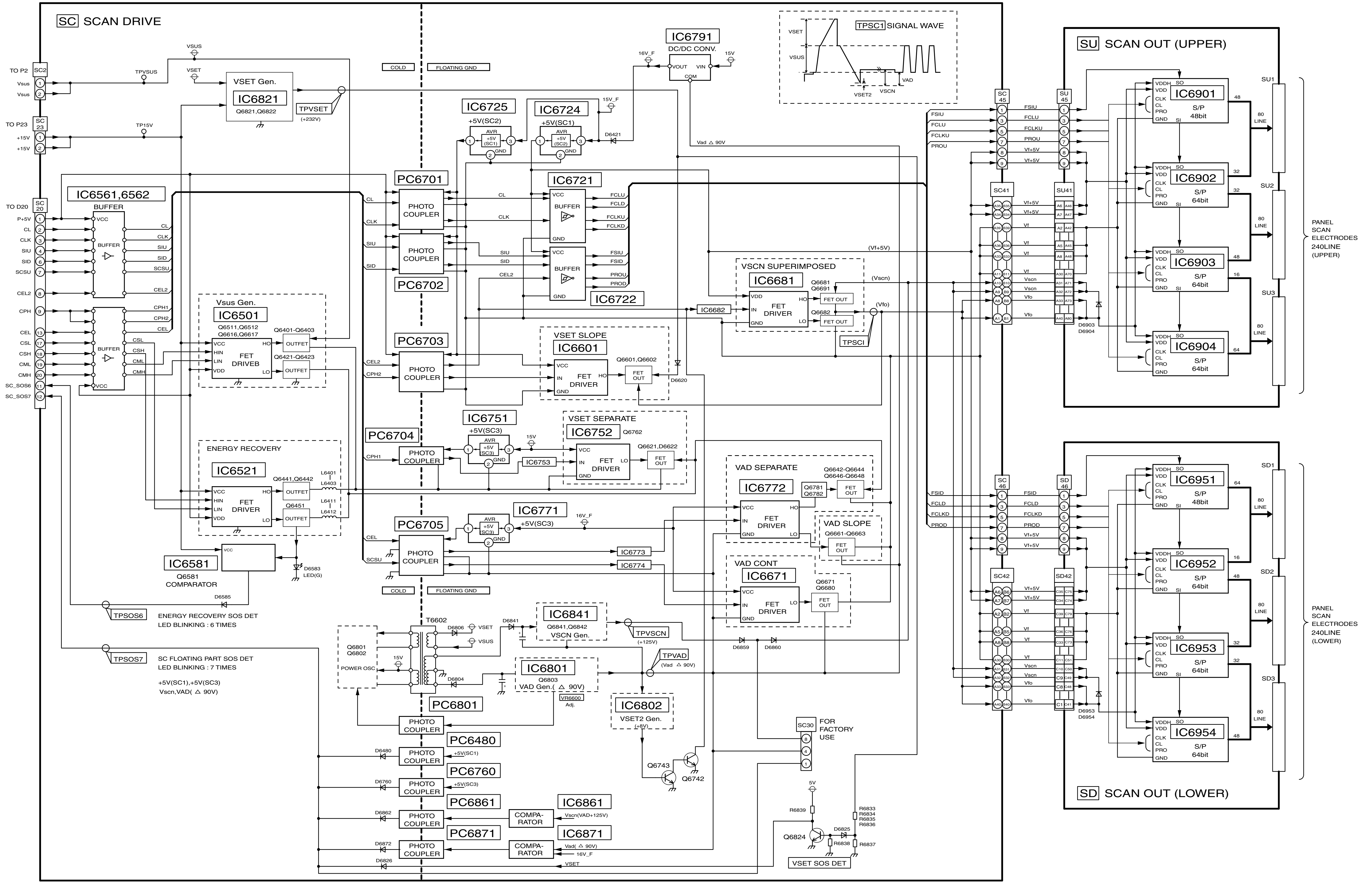
TH-37PA60E, TH-37PD60B
C1-BOARD TNPA3792AB

TH-37PA60E, TH-37PD60B/E
C1-BOARD TNPA3792AB


CI SLOT
(COMMON
INTERFACE)
JK8401
XV
D-TV INTERFACE
Vpp1,Vpp2
VCC
D0~D7
RESET
A0~A14
REG#
CE1#
OE#,WE#
IORD#,IOWR#
IREQ#
CD1#,CD2#
MCLK0,WAIT#
ENOUT,PKTRTOUT
MDO3-MDO7
MDO0-MDO2
MISTRT
MDI0~MDI7
MIBAL,MCLKI
DATA
ADDRESS
CONTROL
CONTROL
IC8402
BUFFER
ED16-ED23
IC8410,IC8411
BUFFER
EA1-EA15
RESET
IC8404
BUFFER
IC8213
BUFFER
CHCLK,CHVAL,CHSYNC
XCD1,XCD2,XWAIT,XIREQ
IC8412
BUFFER
DATA0-7
DATA0-7
STROUT
SPDATA0-7
SPEN,SPCLK
IC8405
CARD 5V
SUB 5V
VIN
VOUT
FAULT
EN
XIRQ2
Q8401
Q8402
POWER
IC8864
AVR +1.8V
3.3V
+1.8V
VIN
VOUT
IC8034
AVR +2.5V
3.3V
+2.5V
VCC
VOUT
CTL
IC8023
DC-DC CONV.3.3V
SUB 9V
3.3V(0.87A)
VIN
PVIN
SW
FB
INV
IC8024
DC-DC CONV.1.2V
SUB 9V
1.2V(0.6A)
VIN
PVIN
SW
FB
INV
XV01
TO DG22
SUB 9V
SUB 9V
SUB 5V
SUB 9V
SUB 9V
SUB 9V
SUB 9V
SUB 9V
SUB 5V
SUB 5V
SUB 5V
MVY0
MVY7
MVC0
MVC7
MHSYNC0
MVSYNC0
MVCLK0
DL(BS_L)
DR(BS_R)
CVBS
SCL0
SDA0
SBO1(SBI1)
SBI1(SBO1)
XRST
TU8001
DVB TUNER
SCL
SDA
IFD2
IFD1
IF_AGC
VBB
VBM
SUB 5V
IC8003
COFDM DEMODULATOR
XIRQ1
LOCK/OP2
SCLT
SDAT
XTALI
X8003
24.167MHz
XTALO
INM
INP
AGC1
RESET
SCL
SDA
D0
D3
STROUT
D4
D7
CLKOUT
D/XP
SCL1
SDA1
IC8408
TS BUFFER
SPDATA
0-3
IC8409
TS BUFFER
SPDATA
4-7
SPPKTST
SPCLK
SPEN
SPDATA7
XFERST0
IC8009
256M DDR_SDRAM
DATA BUS
ADDRESS BUS
CONTROL BUS
IC8501
VCXO27M
X8006
IC8019
64M CPU FLASH ROM
DG0-DQ15
A0-A21
WE,CE,OE
RESET
XRST
DATA BUS
ADDRESS BUS
CONTROL BUS
XFERSTO
SPDATA7
SPEN
SPPKTST
SPCLK
IC8013
HDSL PEAKS_Lite
CHCLK
CHVAL
CHSYNC
HSCLKIN
HSVALIN
HSSYNCIN
HSDIN0
HSDIN7
MMDQ0
MMDQ31
MMA0
MMA13
CK,MCK,CKE
CS,RAS,CAS
WE,BS0,BS1
DDR-
SDRAM
XIRQ1
XIRQ2
CK27
VC27
INTERRUPTION
POWER
RESET
XIREQ
XWAIT
XCD2
XCD1
CIPOWER
CIRESET
XIREQ
XWAIT
XCD2
XCD1
ED16
ED31
EA0
EA24
XECSO-XECS5
BOOTSWAP,XEDK
ELLK,XEWE2,XEWE3
XERE,ERXW
SUPPORT CARD&
NOR FLASH ROM
I/F
XIORD,XIOWR
XWE,XOE,REG
XECS3
CI I/F
XFERSTO
SCHDATA0
ENABLE0
CHPSYNC0
SCHCLK0
PEAKS_Lite(2/3)
VDD12
VDD33
AAVDD
DAVDD
MAVDD
SVAVDD
MVAVDD
AVDD
VDDQ
2.5V
(DDR SDRAM)
1.2V
3.3V
2.5V
3.3V
IEC_OUT
DIGITAL
VIDEO
MVY0
MVY7
MVC0
MVC7
MVY0～MVY7
MVC0～MVC7
MHSYNC0
MVSYNC0
MVCLK0
DC
DY
DIGITAL
AUDIO
DACCK
SRCK
DMIX
LRCK
IC8029
AUDIO DAC
MCLK
BICK
SDTI
LRCK
PDN
AOUTL
AOUTR
IC8031
AUDIO AMP
SUB 9V
DL
DR
PEAKS_Lite(3/3)
PEAKS_Lite(1/3)
CVBS
Q8101
VDACOUT5
XDACRST
SCL0
SDA0
SCL1
SDA1
SCL0
SDA0
SCL1
SDA1
SBO1
SBI1
XRST
SBO1
SBI1
SBO1
SBI1
XRST
IC8042
RESET
SUB 9V
XRST
VOUT
VDD

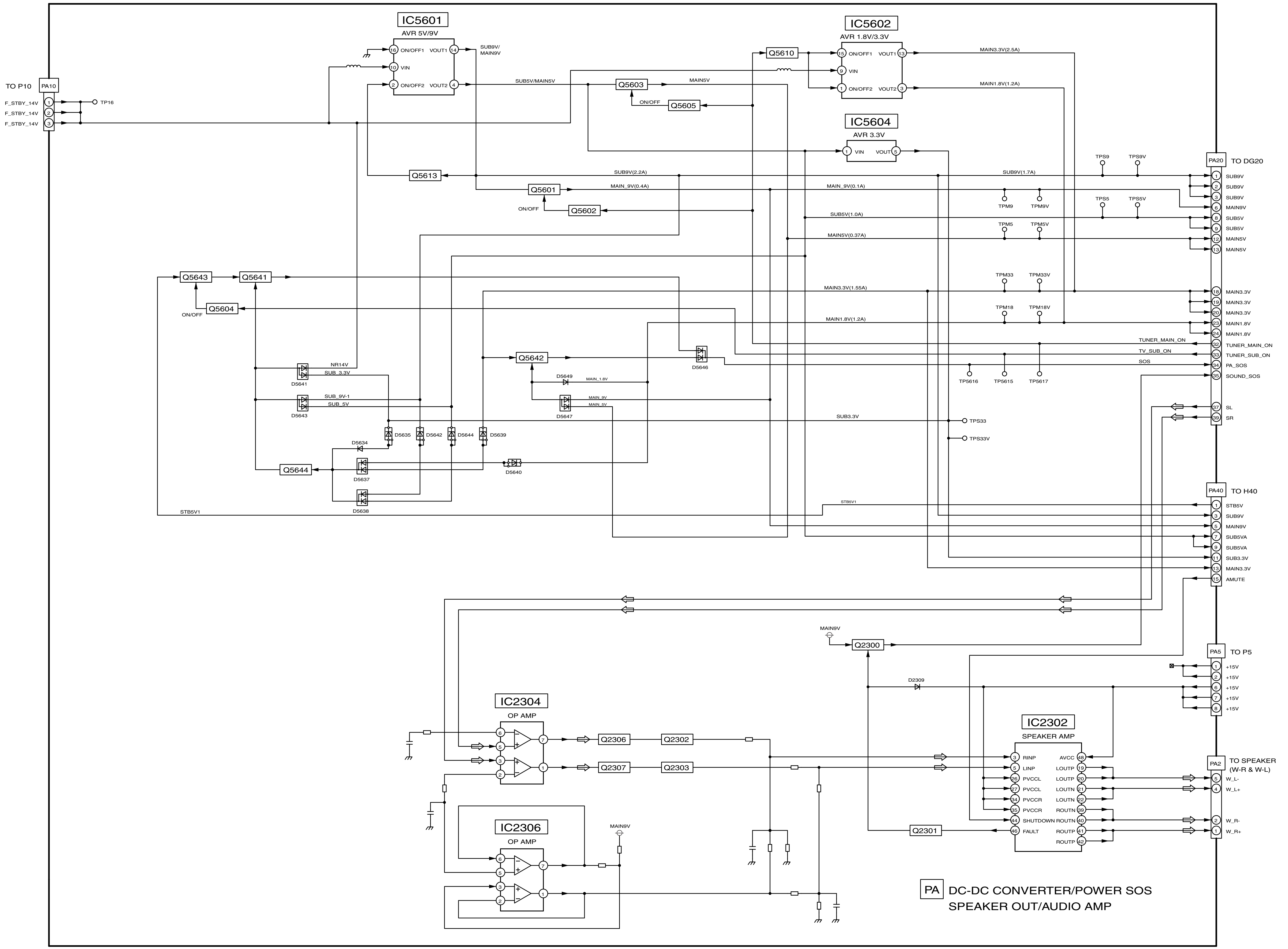
TH-37/42PD60B
XV-Board Block Diagram

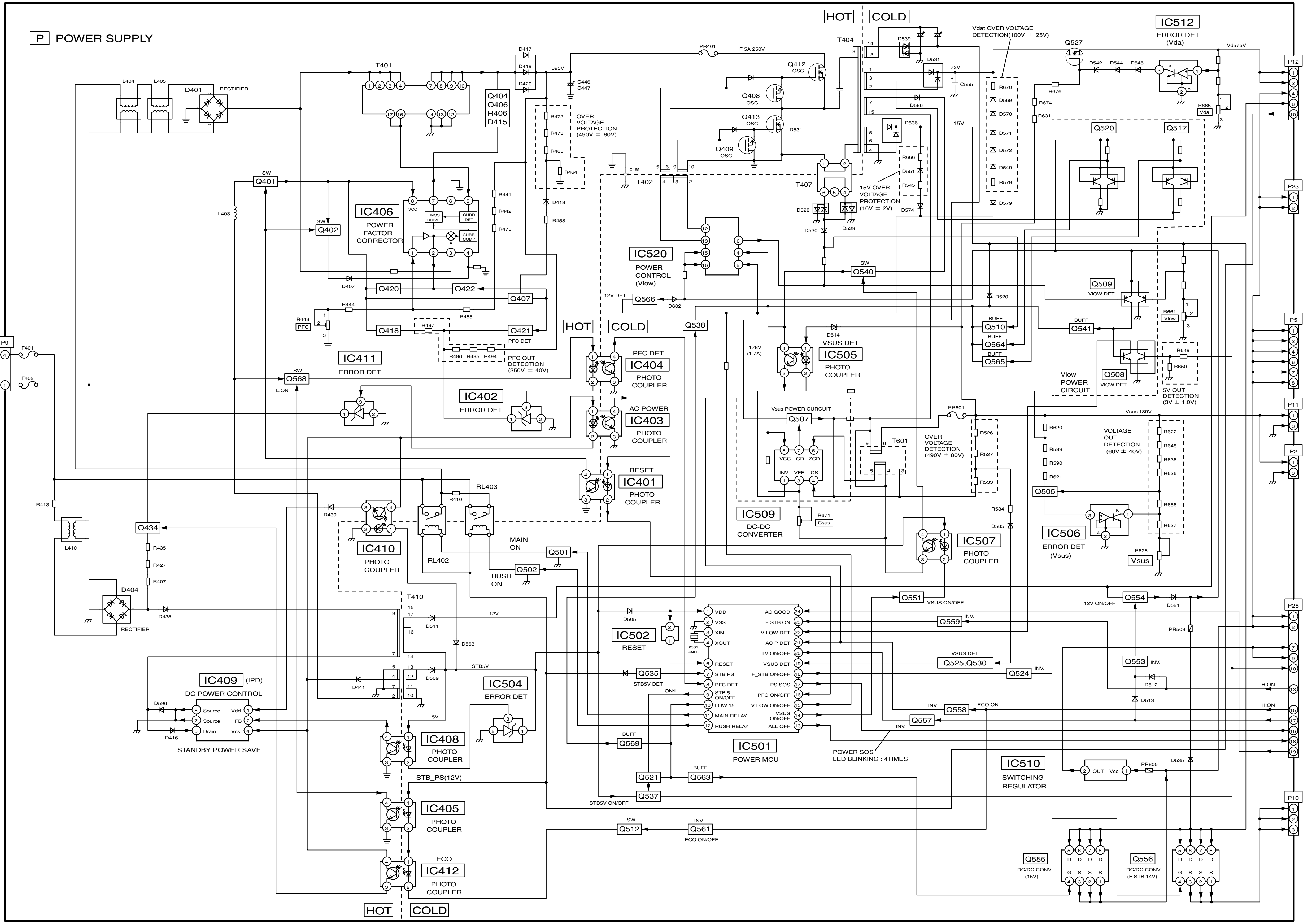

TO C23
SS 23
NUEL
UEH
USL
USH
UML
UMH
SS_SOS8
5V
Vda
Vda
IC6241
BUFFER
VCC
VE Gen.
TPVE (+151V)
VR6000 Adj.
Q6221,Q6222
IC6221
TPVE
D6221
37INCH
SS41A
SS42A
SS43A
SS44A
PANEL SUSTAIN ELECTRODE
TO P11
SS 11
Vsus
TPVSUS
TPVDA
TO P12
SS 12
Vda
Vda
+15V
STB12V
STB PS
TP15V
Vsus Gen.
IC6131
Q6141-Q6142
Q6146-Q6147
FET DRIVER
Q6001-Q6003
Q6021-Q6023
OUTPUT FET
ENERGY RECOVERY
IC6151
FET DRIVER
Q6041,Q6042
Q6051
OUTPUT FET
L6001-L6003
L6011,L6013
D6253
LED(G)
TPSS1
TPSS1
42INCH
SS41
SS42
SS43
SS44
PANEL SUSTAIN ELECTRODE
S POWER SWITCH
SW2500
POWER SWITCH
S1
SS 34
STB PS
STB12V
IC6251
COMPARATOR
D6255
SS_SOS8
ENERGY RECOVERY SOS DET
LED BLINKING : 8 TIMES
Ve Gen.
IC6191
FET DRIVER
Q6101,Q6102
OUTPUT FET
TPSS1 SIGNAL WAVE
VE
Ve2
VSUS
Ve2 Gen.
(+5V)
Q6111,Q6112
IC6211
FET DRIVER
IN
OUTPUT FET
R6113
SS
SUSTAIN DRIVE


SC SCAN DRIVE
TO P2
SC2
Vsus
TO P23
SC 23
+15V
TO D20
SC 20
P+5V
CL
CLK
SIU
SID
SCSU
CEL2
CPH
CEL
CSL
CSH
CML
CMH
SC_SOS6
SC_SOS7
TPVSUS
VSUS
VSET
VSET Gen.
IC6821
Q6821,Q6822
TPVSET
(+232V)
TP15V
IC6561,6562
BUFFER
VCC
COLD
FLOATING GND
IC6725
+5V(SC2)
IC6724
+5V(SC1)
AVR
15V_F
D6421
IC6791
DC/DC CONV.
16V_F
VOUT
VIN
COM
15V
Vad △ 90V
TPSC1 SIGNAL WAVE
VSET2
VSCN
VAD
PC6701
PHOTO COUPLER
PC6702
IC6721
IC6722
GND
FCLU
FCLD
FCLKU
FCLKD
FSIU
FSID
PROU
PROD
CEL2
CPH1
CPH2
Vsus Gen.
IC6501
Q6511,Q6512
Q6616,Q6617
Q6401-Q6403
Q6421-Q6423
FET DRIVEB
HIN
LIN
VDD
HO
LO
OUTFET
VSCN SUPERIMPOSED
IC6681
Q6681 Q6691
Q6682 Q6692
FET DRIVER
FET OUT
IC6682
(Vf+5V)
(Vscn)
(Vfo)
TPSCI
PC6703
VSET SLOPE
IC6601
Q6601,Q6602
D6620
PC6704
IC6751
+5V(SC3)
VSET SEPARATE
IC6752
Q6762
Q6621,D6622
IC6753
ENERGY RECOVERY
IC6521
Q6441,Q6442
Q6451
L6401
L6403
L6411
L6412
VAD SEPARATE
Q6642-Q6644
Q6646-Q6648
IC6772
Q6781 Q6782
VAD SLOPE
Q6661-Q6663
PC6705
IC6771
SCSU
IC6773
IC6774
VAD CONT
IC6671
Q6671 Q6680
IC6581
Q6581
COMPARATOR
D6583
LED(G)
D6585
TPSOS6
ENERGY RECOVERY SOS DET
LED BLINKING : 6 TIMES
TPSOS7
SC FLOATING PART SOS DET
LED BLINKING : 7 TIMES
+5V(SC1),+5V(SC3)
Vscn,VAD(△ 90V)
T6602
Q6801
Q6802
POWER OSC
D6806
D6804
D6841
IC6841
Q6841,Q6842
VSCN Gen.
TPVSCN
(+125V)
D6859
D6860
TPVAD
(Vad △ 90V)
IC6801
Q6803
VAD Gen.(△ 90V)
VR6600
Adj.
PC6801
IC6802
VSET2 Gen.
(+8V)
Q6743
Q6742
SC30
FOR FACTORY USE
PC6480
D6480
PC6760
D6760
PC6861
D6862
IC6861
COMPA-RATOR
Vscn(VAD+125V)
PC6871
D6872
IC6871
Vad(△ 90V)
D6826
5V
R6839
Q6824
D6825
R6833
R6834
R6835
R6836
R6838
R6837
VSET SOS DET
SC 45
SU 45
SC41
SU41
Vf+5V
Vf
Vscn
Vfo
D6903
D6904
SU SCAN OUT (UPPER)
IC6901
S/P
48bit
IC6902
64bit
IC6903
IC6904
VDDH
SO
SI
CLK
CL
PRO
SU1
SU2
SU3
80 LINE
PANEL SCAN ELECTRODES 240LINE (UPPER)
SC 46
SD 46
SC42
SD42
D6953
D6954
IC6951
IC6952
IC6953
IC6954
SD1
SD2
SD3
PANEL SCAN ELECTRODES 240LINE (LOWER)
SD SCAN OUT (LOWER)

TH-37/42PA60E, TH-37/42PD60B
SC, SU and SD-Board Block Diagram

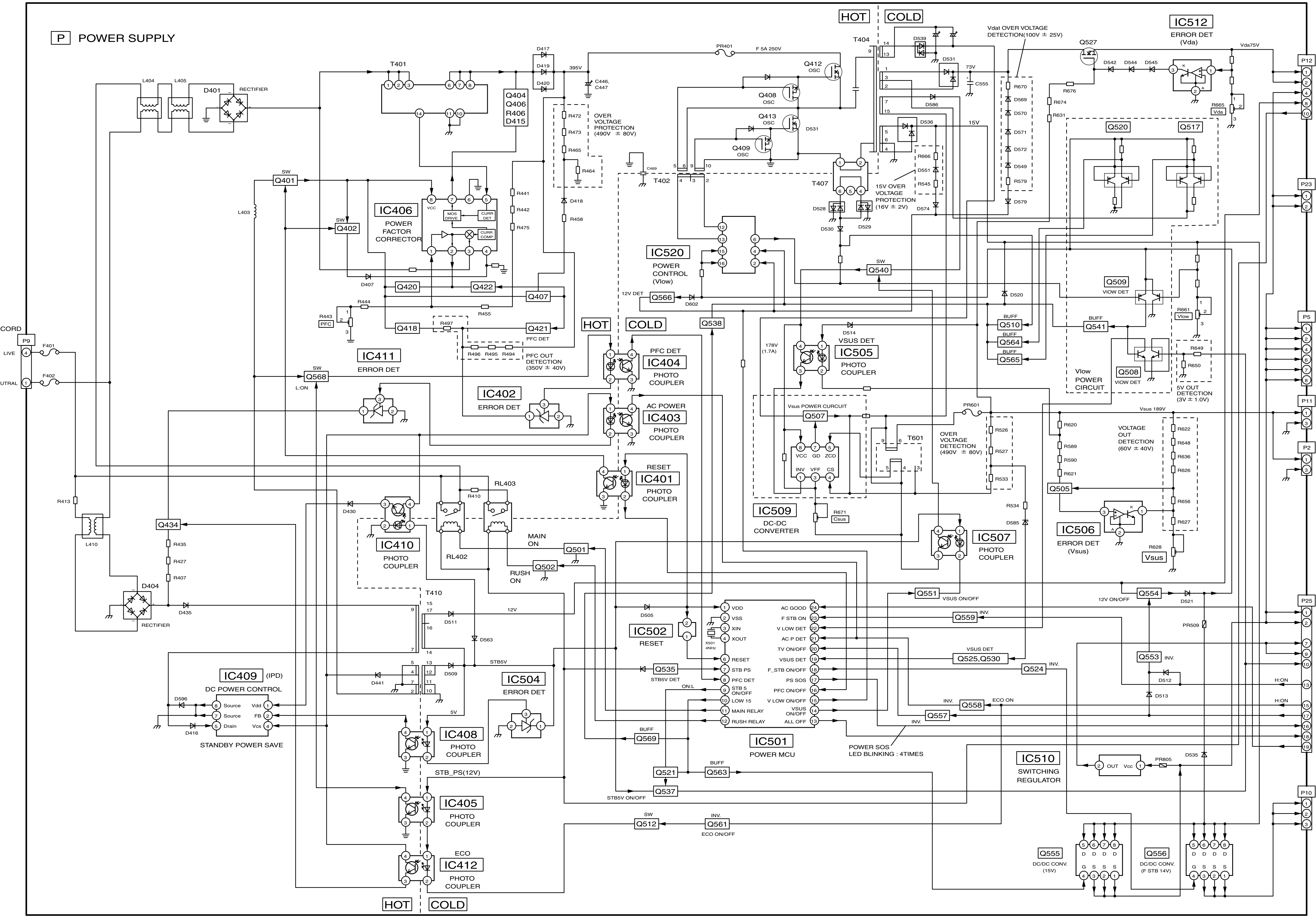
TH-37/42PA60E, TH-37/42PD60B
SC, SU and SD-Board Block Diagram


IC5601
AVR 5V/9V
ON/OFF1
VOUT1
VIN
ON/OFF2
VOUT2
SUB9V/MAIN9V
SUB5V/MAIN5V
IC5602
AVR 1.8V/3.3V
Q5610
MAIN3.3V(2.5A)
MAIN1.8V(1.2A)
Q5603
MAIN5V
ON/OFF
Q5605
IC5604
AVR 3.3V
VIN
VOUT
TO P10
PA10
F_STBY_14V
F_STBY_14V
F_STBY_14V
TP16
Q5613
SUB9V(2.2A)
SUB9V(1.7A)
Q5601
MAIN_9V(0.4A)
MAIN_9V(0.1A)
ON/OFF
Q5602
SUB5V(1.0A)
MAIN5V(0.37A)
Q5643
Q5641
Q5604
ON/OFF
MAIN3.3V(1.55A)
MAIN1.8V(1.2A)
Q5642
D5646
D5641
NR14V
SUB_3.3V
D5649
MAIN_1.8V
D5643
SUB_9V-1
SUB_5V
D5647
MAIN_9V
MAIN_5V
SUB3.3V
D5635
D5642
D5644
D5639
D5634
Q5644
D5637
D5640
D5638
STB5V1
TPS9
TPS9V
TPM9
TPM9V
TPS5
TPS5V
TPM5
TPM5V
TPM33
TPM33V
TPM18
TPM18V
TUNER_MAIN_ON
TV_SUB_ON
SOS
TP5616
TP5615
TP5617
TPS33
TPS33V
PA20
TO DG20
SUB9V
SUB9V
SUB9V
MAIN9V
SUB5V
SUB5V
MAIN5V
MAIN5V
MAIN3.3V
MAIN3.3V
MAIN3.3V
MAIN1.8V
MAIN1.8V
TUNER_MAIN_ON
TUNER_SUB_ON
PA_SOS
SOUND_SOS
SL
SR
PA40
TO H40
STB5V1
STB5V
SUB9V
MAIN9V
SUB5VA
SUB5VA
SUB3.3V
MAIN3.3V
AMUTE
MAIN9V
Q2300
PA5
TO P5
+15V
+15V
+15V
+15V
+15V
D2309
IC2304
OP AMP
Q2306
Q2302
Q2307
Q2303
IC2302
SPEAKER AMP
RINP
LINP
PVCCL
PVCCL
PVCCR
PVCCR
SHUTDOWN
FAULT
AVCC
LOUTP
LOUTP
LOUTN
LOUTN
ROUTN
ROUTN
ROUTP
ROUTP
Q2301
PA2
TO SPEAKER (W-R & W-L)
W_L-
W_L+
W_R-
W_R+
IC2306
OP AMP
MAIN9V
PA
DC-DC CONVERTER/POWER SOS
SPEAKER OUT/AUDIO AMP

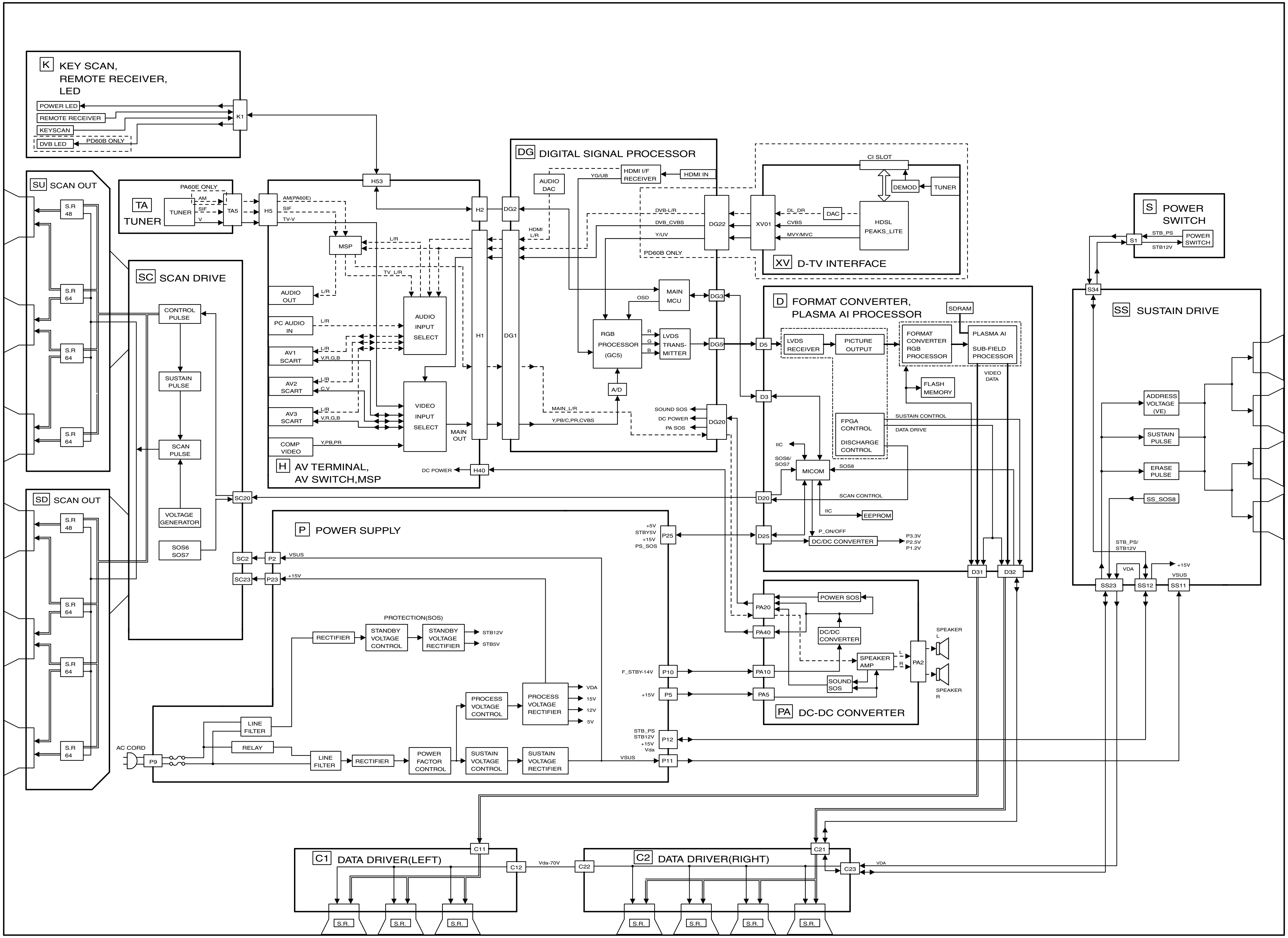

P POWER SUPPLY
HOT
COLD
TO AC CORD
P9
LIVE
NEUTRAL
F401
F402
L404
L405
D401
RECTIFIER
T401
Q404
Q406
R406
D415
D417
D419
D420
395V
C446, C447
OVER VOLTAGE PROTECTION (490V ± 80V)
R472
R473
R465
R464
D418
R458
L403
SW
Q401
Q402
IC406
POWER FACTOR CORRECTOR
VCC
MOS DRIVE
CURR DET
CURR COMP
R441
R442
R475
D407
Q420
Q422
Q407
R444
R443
PFC
R455
Q418
R497
Q421
PFC DET
R496
R495
R494
PFC OUT DETECTION (350V ± 40V)
IC411
ERROR DET
Q568
L:ON
IC402
ERROR DET
PFC DET
IC404
PHOTO COUPLER
AC POWER
IC403
PHOTO COUPLER
RESET
IC401
PHOTO COUPLER
R413
L410
Q434
R435
R427
R407
D404
RECTIFIER
D435
D430
IC410
PHOTO COUPLER
RL402
RL403
R410
MAIN ON
Q501
RUSH ON
Q502
T410
12V
D511
D563
STB5V
D509
D441
5V
IC409 (IPD)
DC POWER CONTROL
D596
D416
Source
Source
Drain
Vdd
FB
Vcs
STANDBY POWER SAVE
IC504
ERROR DET
IC408
PHOTO COUPLER
STB_PS(12V)
IC405
PHOTO COUPLER
ECO
IC412
PHOTO COUPLER
PR401
F 5A 250V
Q412
OSC
Q408
OSC
Q413
OSC
Q409
OSC
D531
C469
T402
T404
D539
D531
73V
C555
D586
D536
15V
T407
D528
D529
D530
15V OVER VOLTAGE PROTECTION (16V ± 2V)
R666
D551
R545
D574
IC520
POWER CONTROL (Vlow)
12V DET
Q566
D602
Q538
SW
Q540
D520
178V (1.7A)
D514
VSUS DET
IC505
PHOTO COUPLER
Vsus POWER CURCUIT
Q507
VCC
GD
ZCD
INV
VFF
CS
T601
PR601
OVER VOLTAGE DETECTION (490V ± 80V)
R526
R527
R533
IC509
DC-DC CONVERTER
R671
Csus
R534
D585
IC507
PHOTO COUPLER
Q551
VSUS ON/OFF
D505
IC502
RESET
X501 4MHz
IC501
POWER MCU
VDD
VSS
XIN
XOUT
RESET
STB PS
PFC DET
STB 5 ON/OFF
LOW 15
MAIN RELAY
RUSH RELAY
AC GOOD
F STB ON
V LOW DET
AC P DET
TV ON/OFF
VSUS DET
F_STB ON/OFF
PS SOS
PFC ON/OFF
V LOW ON/OFF
VSUS ON/OFF
ALL OFF
Q535
STB5V DET
ON:L
BUFF
Q569
Q521
Q563
Q537
STB5V ON/OFF
SW
Q512
INV.
Q561
ECO ON/OFF
Q559
VSUS DET
Q525,Q530
Q524
Q558
ECO ON
Q557
POWER SOS LED BLINKING : 4TIMES
Vdat OVER VOLTAGE DETECTION(100V ± 25V)
R670
D569
D570
D571
D572
D549
R579
D579
Q527
D542
D544
D545
R676
R674
R631
IC512
ERROR DET (Vda)
Vda75V
R665
Vda
Q520
Q517
Q509
VIOW DET
BUFF
Q510
Q564
Q565
Q541
R661
Vlow
Q508
VIOW DET
Vlow POWER CIRCUIT
R649
R650
5V OUT DETECTION (3V ± 1.0V)
Vsus 189V
R620
R589
R590
R621
Q505
VOLTAGE OUT DETECTION (60V ± 40V)
R622
R648
R636
R626
R656
R627
IC506
ERROR DET (Vsus)
R628
Vsus
Q554
12V ON/OFF
D521
PR509
Q553
D512
D513
IC510
SWITCHING REGULATOR
OUT
Vcc
PR805
D535
Q555
DC/DC CONV. (15V)
Q556
DC/DC CONV. (F STB 14V)
TO SS12
P12
Vda
Vda
+15V
STB12V
STB_PS
TO SC23
P23
+15V
+15V
TO PA5
P5
+15Vc
+15Vc
+15Vc
+15Vs(S)
+15Vs(W)
+15Vs(W)
TO SS11
P11
Vsus
GND
TO SC2
P2
Vsus
GND
TO D25
P25
+15Vc
+15Vc
+5Vc
+5Vc
STBY5V
H:ON
F_STBY_ON
H:ON
ECO_ON
PANEL_MAIN_ON
PS_SOS
ALL_OFF
AC_GOOD
TO PA10
P10
F STB 14V
F STB 14V
F STB 14V

TH-42PA60E, TH-42PD60B
P-Board Block Diagram

TH-42PA60E, TH-42PD60B
P-Board Block Diagram

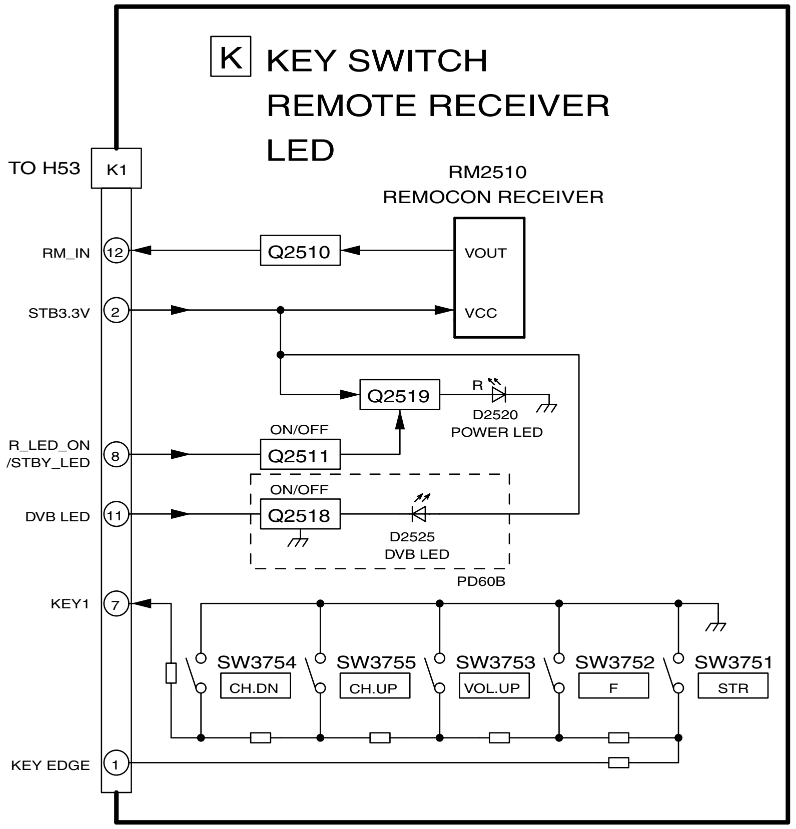

P
POWER SUPPLY
HOT
COLD
TO AC CORD
P9
LIVE
NEUTRAL
F401
F402
L404
L405
D401
RECTIFIER
L403
T401
D417
D419
D420
395V
C446, C447
Q404
Q406
R406
D415
OVER VOLTAGE PROTECTION (490V ± 80V)
R472
R473
R465
R464
D418
R458
SW
Q401
Q402
IC406
POWER FACTOR CORRECTOR
VCC
MOS DRIVE
CURR DET
CURR COMP
R441
R442
R475
D407
Q420
Q422
Q407
R444
R455
R443
PFC
Q418
R497
Q421
PFC DET
R496
R495
R494
PFC OUT DETECTION (350V ± 40V)
IC411
ERROR DET
Q568
L:ON
IC402
ERROR DET
IC404
PFC DET
PHOTO COUPLER
IC403
AC POWER
PHOTO COUPLER
IC401
RESET
PHOTO COUPLER
RL403
R410
RL402
IC410
PHOTO COUPLER
D430
R413
L410
Q434
R435
R427
R407
D404
RECTIFIER
D435
MAIN ON
Q501
Q502
RUSH ON
T410
12V
D511
D563
STB5V
D441
D509
5V
IC409
(IPD)
DC POWER CONTROL
D596
Source
Source
Drain
Vdd
FB
Vcs
D416
STANDBY POWER SAVE
IC408
PHOTO COUPLER
IC504
ERROR DET
STB_PS(12V)
IC405
PHOTO COUPLER
ECO
IC412
PHOTO COUPLER
PR401
F 5A 250V
T404
Q412
OSC
Q408
OSC
Q413
OSC
D531
Q409
OSC
C469
T402
T407
15V OVER VOLTAGE PROTECTION (16V ± 2V)
D528
D529
D530
D539
D531
73V
C555
D586
D536
15V
R666
D551
R545
D574
IC520
POWER CONTROL (Vlow)
12V DET
Q566
D602
Q538
SW
Q540
D520
178V (1.7A)
D514
VSUS DET
IC505
PHOTO COUPLER
Vsus POWER CURCUIT
Q507
VCC
GD
ZCD
INV
VFF
CS
IC509
DC-DC CONVERTER
R671
Csus
T601
PR601
OVER VOLTAGE DETECTION (490V ± 80V)
R526
R527
R533
R534
D585
IC507
PHOTO COUPLER
Vdat OVER VOLTAGE DETECTION(100V ± 25V)
R670
D569
D570
D571
D572
D549
R579
D579
Q527
D542
D544
D545
R676
R674
R631
IC512
ERROR DET (Vda)
Vda75V
R665
Vda
Q520
Q517
Q509
VlOW DET
BUFF
Q510
Q564
Q565
Q541
R661
Vlow
Q508
VlOW DET
Vlow POWER CIRCUIT
R649
R650
5V OUT DETECTION (3V ± 1.0V)
Vsus 189V
R620
R589
R590
R621
Q505
VOLTAGE OUT DETECTION (60V ± 40V)
R622
R648
R636
R626
R656
R627
IC506
ERROR DET (Vsus)
R628
Vsus
Q551
VSUS ON/OFF
12V ON/OFF
Q554
D521
PR509
Q559
INV.
VSUS DET
Q525,Q530
Q524
Q553
D512
D513
Q558
ECO ON
Q557
D505
IC502
RESET
X501 4MHz
IC501
POWER MCU
VDD
VSS
XIN
XOUT
RESET
STB PS
PFC DET
STB 5 ON/OFF
LOW 15
MAIN RELAY
RUSH RELAY
AC GOOD
F STB ON
V LOW DET
AC P DET
TV ON/OFF
VSUS DET
F_STB ON/OFF
PS SOS
PFC ON/OFF
V LOW ON/OFF
VSUS ON/OFF
ALL OFF
Q535
STB5V DET
ON:L
Q569
Q521
Q563
Q537
STB5V ON/OFF
POWER SOS LED BLINKING : 4TIMES
SW
Q512
Q561
ECO ON/OFF
IC510
SWITCHING REGULATOR
OUT
Vcc
PR805
D535
Q555
DC/DC CONV. (15V)
Q556
DC/DC CONV. (F STB 14V)
D
G
S
P12
TO SS12
Vda
+15V
STB12V
STB_PS
P23
TO SC23
P5
TO PA5
+15Vc
+15Vs(S)
+15Vs(W)
P11
TO SS11
GND
P2
TO SC2
P25
TO D25
+5Vc
STBY5V
H:ON
F_STBY_ON
ECO_ON
PANEL_MAIN_ON
PS_SOS
ALL_OFF
AC_GOOD
P10
TO PA10
F STB 14V

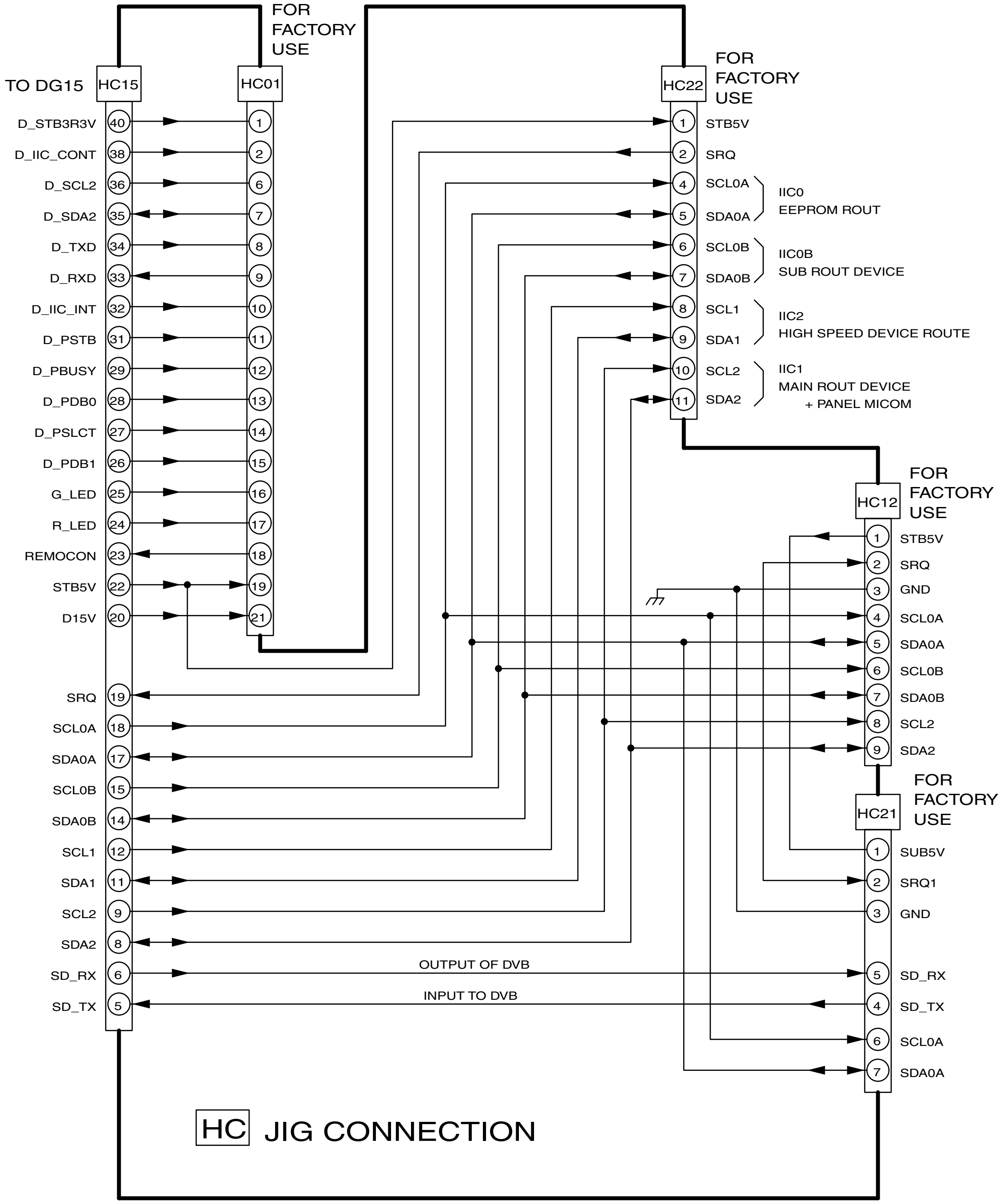
TH-37PA60E, TH-37PD60B
P-Board Block Diagram

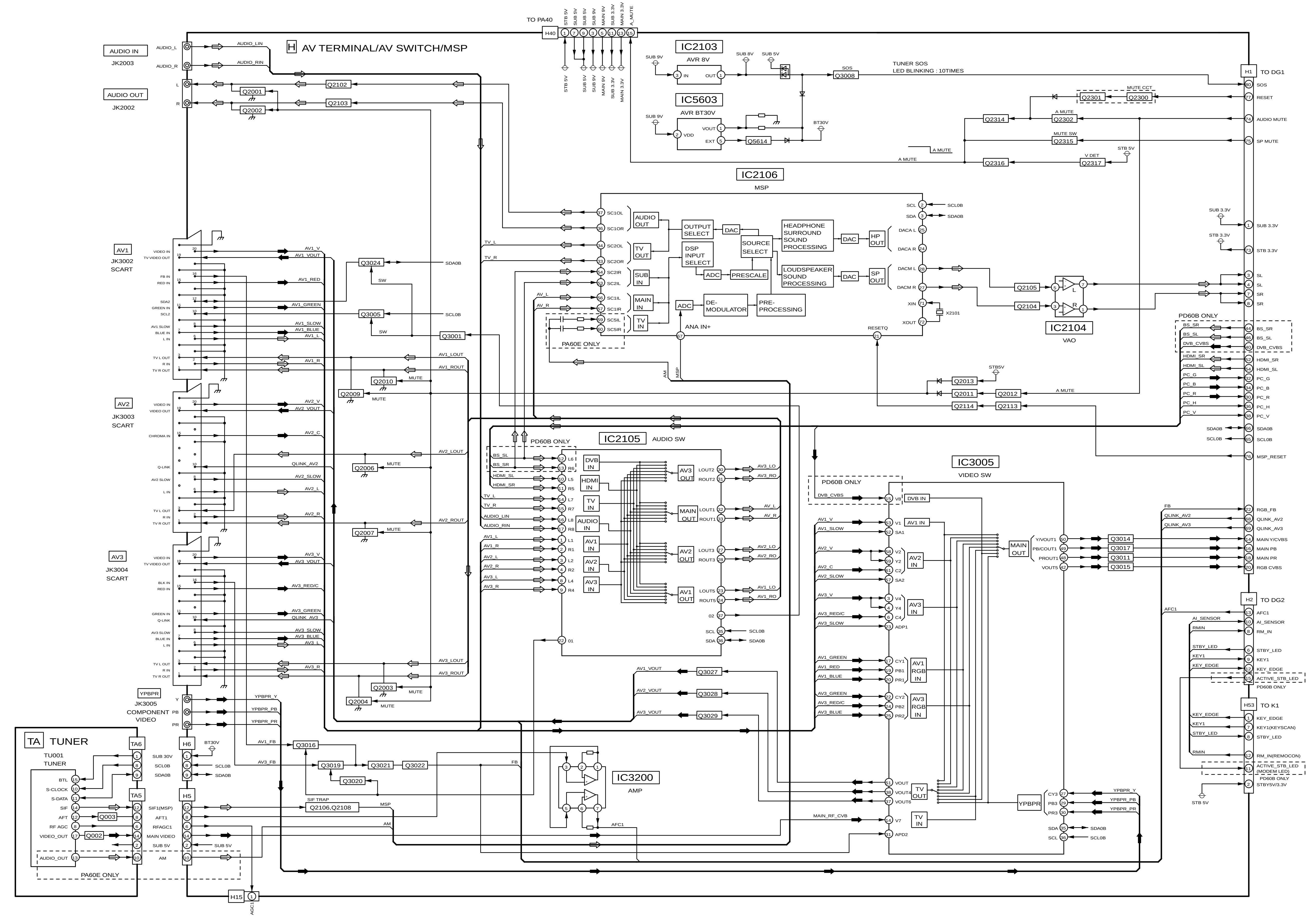

K KEY SCAN, REMOTE RECEIVER, LED
POWER LED
REMOTE RECEIVER
KEYSCAN
DVB LED
PD60B ONLY
K1
SU SCAN OUT
S.R 48
S.R 64
S.R 64
S.R 64
TA TUNER
PA60E ONLY
TUNER
AM
SIF
V
TA5
H5
H53
AM(PA60E)
SIF
TV-V
MSP
L/R
TV_L/R
AUDIO OUT
L/R
PC AUDIO IN
L/R
AV1 SCART
L/R
V,R,G,B
AV2 SCART
L/R
C,V
AV3 SCART
L/R
V,R,G,B
COMP VIDEO
Y,PB,PR
AUDIO INPUT SELECT
VIDEO INPUT SELECT
MAIN OUT
H2
H1
H40
DC POWER
H AV TERMINAL, AV SWITCH,MSP
SC SCAN DRIVE
CONTROL PULSE
SUSTAIN PULSE
SCAN PULSE
VOLTAGE GENERATOR
SOS6 SOS7
SC20
SC2
SC23
SD SCAN OUT
S.R 48
S.R 64
S.R 64
S.R 64
DG DIGITAL SIGNAL PROCESSOR
AUDIO DAC
HDMI I/F RECEIVER
HDMI IN
YG/UB
DG2
DG1
HDMI L/R
DVB-L/R
DVB_CVBS
Y/UV
PD60B ONLY
DG22
MAIN MCU
OSD
DG3
RGB PROCESSOR (GC5)
R
G
B
LVDS TRANS-MITTER
DG5
A/D
MAIN_L/R
Y,PB/C,PR,CVBS
SOUND SOS
DC POWER
PA SOS
DG20
CI SLOT
DEMOD
TUNER
XV01
DL_DR
DAC
CVBS
MVY/MVC
HDSL PEAKS_LITE
XV D-TV INTERFACE
S POWER SWITCH
S1
STB_PS
STB12V
POWER SWITCH
S34
D FORMAT CONVERTER, PLASMA AI PROCESSOR
SDRAM
D5
LVDS RECEIVER
PICTURE OUTPUT
FORMAT CONVERTER RGB PROCESSOR
PLASMA AI
SUB-FIELD PROCESSOR
VIDEO DATA
FLASH MEMORY
D3
FPGA CONTROL
DISCHARGE CONTROL
SUSTAIN CONTROL
DATA DRIVE
IIC
SOS6/ SOS7
MICOM
SOS8
D20
SCAN CONTROL
IIC
EEPROM
D25
P_ON/OFF
DC/DC CONVERTER
P3.3V
P2.5V
P1.2V
D31
D32
SS SUSTAIN DRIVE
ADDRESS VOLTAGE (VE)
SUSTAIN PULSE
ERASE PULSE
SS_SOS8
STB_PS/ STB12V
VDA
+15V
VSUS
SS23
SS12
SS11
P POWER SUPPLY
+5V
STBY5V
+15V
PS_SOS
P25
P2
VSUS
P23
+15V
PROTECTION(SOS)
RECTIFIER
STANDBY VOLTAGE CONTROL
STANDBY VOLTAGE RECTIFIER
STB12V
STB5V
PROCESS VOLTAGE CONTROL
PROCESS VOLTAGE RECTIFIER
VDA
15V
12V
5V
LINE FILTER
RELAY
LINE FILTER
RECTIFIER
POWER FACTOR CONTROL
SUSTAIN VOLTAGE CONTROL
SUSTAIN VOLTAGE RECTIFIER
AC CORD
P9
VSUS
F_STBY-14V
P10
+15V
P5
STB_PS
STB12V
+15V
Vda
P12
P11
PA DC-DC CONVERTER
POWER SOS
PA20
PA40
DC/DC CONVERTER
SPEAKER AMP
L
R
PA2
SOUND SOS
PA10
PA5
SPEAKER L
SPEAKER R
C1 DATA DRIVER(LEFT)
C11
C12
Vda-70V
C22
C2 DATA DRIVER(RIGHT)
C21
C23
VDA
S.R.
S.R.
S.R.
S.R.
S.R.
S.R.
S.R.

TH-37/42PA60E, TH-37/42PD60B
Main Block Diagram

TH-37/42PA60E, TH-37/42PD60B
Main Block Diagram

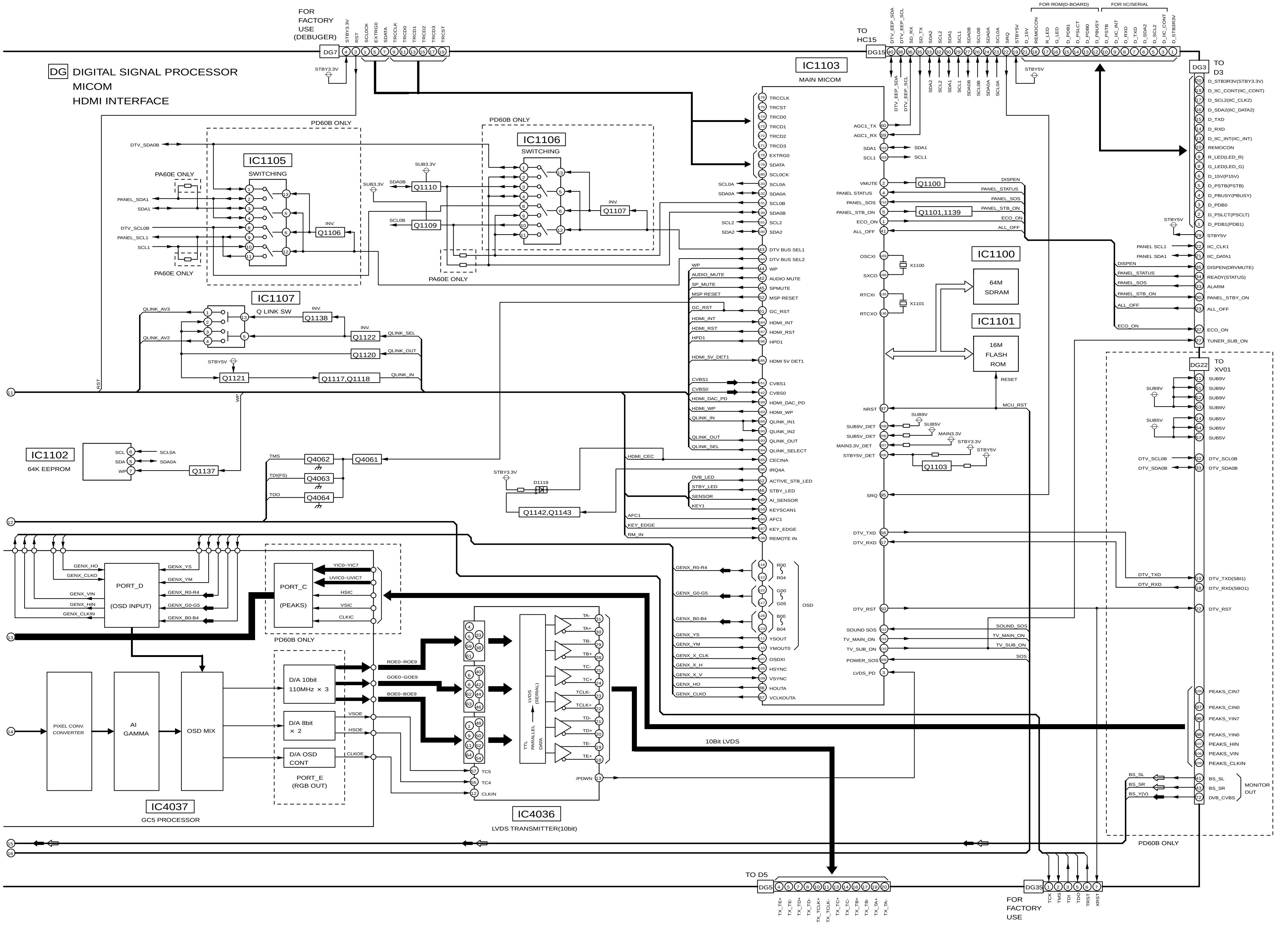

K
KEY SWITCH
REMOTE RECEIVER
LED
TO H53
K1
RM2510
REMOCON RECEIVER
RM_IN
12
Q2510
VOUT
STB3.3V
2
VCC
Q2519
R
D2520
POWER LED
ON/OFF
R_LED_ON
/STBY_LED
8
Q2511
ON/OFF
DVB LED
11
Q2518
D2525
DVB LED
PD60B
KEY1
7
SW3754
CH.DN
SW3755
CH.UP
SW3753
VOL.UP
SW3752
F
SW3751
STR
KEY EDGE
1


TO DG15
HC15
HC01
FOR
FACTORY
USE
HC22
FOR
FACTORY
USE
D_STB3R3V 40
D_IIC_CONT 38
D_SCL2 36
D_SDA2 35
D_TXD 34
D_RXD 33
D_IIC_INT 32
D_PSTB 31
D_PBUSY 29
D_PDB0 28
D_PSLCT 27
D_PDB1 26
G_LED 25
R_LED 24
REMOCON 23
STB5V 22
D15V 20
1
2
6
7
8
9
10
11
12
13
14
15
16
17
18
19
21
1 STB5V
2 SRQ
4 SCL0A
5 SDA0A
IIC0
EEPROM ROUT
6 SCL0B
7 SDA0B
IIC0B
SUB ROUT DEVICE
8 SCL1
9 SDA1
IIC2
HIGH SPEED DEVICE ROUTE
10 SCL2
11 SDA2
IIC1
MAIN ROUT DEVICE
+ PANEL MICOM
HC12
FOR
FACTORY
USE
1 STB5V
2 SRQ
3 GND
4 SCL0A
5 SDA0A
6 SCL0B
7 SDA0B
8 SCL2
9 SDA2
SRQ 19
SCL0A 18
SDA0A 17
SCL0B 15
SDA0B 14
SCL1 12
SDA1 11
SCL2 9
SDA2 8
SD_RX 6
SD_TX 5
HC21
FOR
FACTORY
USE
1 SUB5V
2 SRQ1
3 GND
OUTPUT OF DVB
INPUT TO DVB
5 SD_RX
4 SD_TX
6 SCL0A
7 SDA0A
HC
JIG CONNECTION


H AV TERMINAL/AV SWITCH/MSP
TO PA40
H40
STB 5V
SUB 5V
MAIN 9V
SUB 3.3V
MAIN 3.3V
A_MUTE
AUDIO IN
JK2003
AUDIO_L
AUDIO_R
AUDIO_LIN
AUDIO_RIN
AUDIO OUT
JK2002
Q2001
Q2002
Q2102
Q2103
IC2103
AVR 8V
SUB 9V
SUB 8V
IN
OUT
IC5603
AVR BT30V
VDD
VOUT
EXT
Q5614
BT30V
Q3008
SOS
TUNER SOS
LED BLINKING : 10TIMES
H1
TO DG1
RESET
AUDIO MUTE
SP MUTE
MUTE CCT
Q2301
Q2300
Q2302
Q2314
Q2315
MUTE SW
Q2316
Q2317
V DET
STB 5V
A MUTE
IC2106
MSP
SCL
SDA
SCL0B
SDA0B
AUDIO OUT
OUTPUT SELECT
DAC
HEADPHONE SURROUND SOUND PROCESSING
HP OUT
SOURCE SELECT
DSP INPUT SELECT
TV OUT
SUB IN
ADC
PRESCALE
LOUDSPEAKER SOUND PROCESSING
SP OUT
MAIN IN
TV IN
DE-MODULATOR
PRE-PROCESSING
ANA IN+
RESETQ
XIN
XOUT
X2101
DACA L
DACA R
DACM L
DACM R
SC1OL
SC1OR
SC2OL
SC2OR
SC2IR
SC2IL
SC1IL
SC1IR
SC5IL
SC5IR
PA60E ONLY
Q2105
Q2104
IC2104
VAO
SUB 3.3V
STB 3.3V
SL
SR
PD60B ONLY
BS_SR
BS_SL
DVB_CVBS
HDMI_SR
HDMI_SL
PC_G
PC_B
PC_R
PC_H
PC_V
MSP_RESET
Q2013
Q2011
Q2012
Q2114
Q2113
STB5V
AV1
JK3002
SCART
VIDEO IN
TV VIDEO OUT
FB IN
RED IN
GREEN IN
BLUE IN
L IN
TV L OUT
R IN
TV R OUT
AV1_V
AV1_VOUT
AV1_RED
AV1_GREEN
AV1_SLOW
AV1_BLUE
AV1_L
AV1_R
AV1_LOUT
AV1_ROUT
Q3024
Q3005
Q3001
SW
Q2010
Q2009
MUTE
AV2
JK3003
CHROMA IN
Q-LINK
AV2 SLOW
AV2_V
AV2_VOUT
AV2_C
QLINK_AV2
AV2_SLOW
AV2_L
AV2_R
AV2_LOUT
AV2_ROUT
Q2006
Q2007
AV3
JK3004
BLK IN
AV3_V
AV3_VOUT
AV3_RED/C
AV3_GREEN
QLINK_AV3
AV3_SLOW
AV3_BLUE
AV3_L
AV3_R
AV3_LOUT
AV3_ROUT
Q2003
Q2004
YPBPR
JK3005
COMPONENT VIDEO
YPBPR_Y
YPBPR_PB
YPBPR_PR
IC2105
AUDIO SW
DVB IN
HDMI IN
TV IN
AUDIO IN
AV1 IN
AV2 IN
AV3 IN
AV3 OUT
MAIN OUT
AV2 OUT
AV1 OUT
LOUT2
ROUT2
LOUT1
ROUT1
LOUT3
ROUT3
LOUT5
ROUT5
AV3_LO
AV3_RO
AV_L
AV_R
AV2_LO
AV2_RO
AV1_LO
AV1_RO
IC3005
VIDEO SW
V8
V1
SA1
Y2
C2
SA2
V4
Y4
C4
ADP1
CY1
PB1
PR1
CY2
PB2
PR2
AV1 RGB IN
AV3 RGB IN
Y/VOUT1
PB/COUT1
PROUT1
VOUT5
Q3014
Q3017
Q3011
Q3015
RGB_FB
QLINK_AV2
QLINK_AV3
MAIN Y/CVBS
MAIN PB
MAIN PR
RGB CVBS
H2
TO DG2
AFC1
AI_SENSOR
RM_IN
STBY_LED
KEY1
KEY_EDGE
ACTIVE_STB_LED
H53
TO K1
KEY1(KEYSCAN)
RM_IN(REMOCON)
(MODEM LED)
STBY5V/3.3V
Q3027
Q3028
Q3029
AV1_VOUT
AV2_VOUT
AV3_VOUT
VOUT
VOUT4
VOUT6
TV OUT
V7
APD2
TV IN
MAIN_RF_CVB
CY3
PB3
PR3
IC3200
AMP
AFC1
TA TUNER
TU001
TUNER
BTL
S-CLOCK
S-DATA
SIF
AFT
RF AGC
VIDEO_OUT
AUDIO_OUT
Q003
Q002
TA6
TA5
SUB 30V
SCL0B
SDA0B
SIF1(MSP)
AFT1
RFAGC1
MAIN VIDEO
SUB 5V
AM
H6
H5
H15
AGC1
Q3016
Q3019
Q3020
Q3021
Q3022
AV1_FB
AV3_FB
FB
SIF TRAP
Q2106,Q2108
MSP
PA60E ONLY

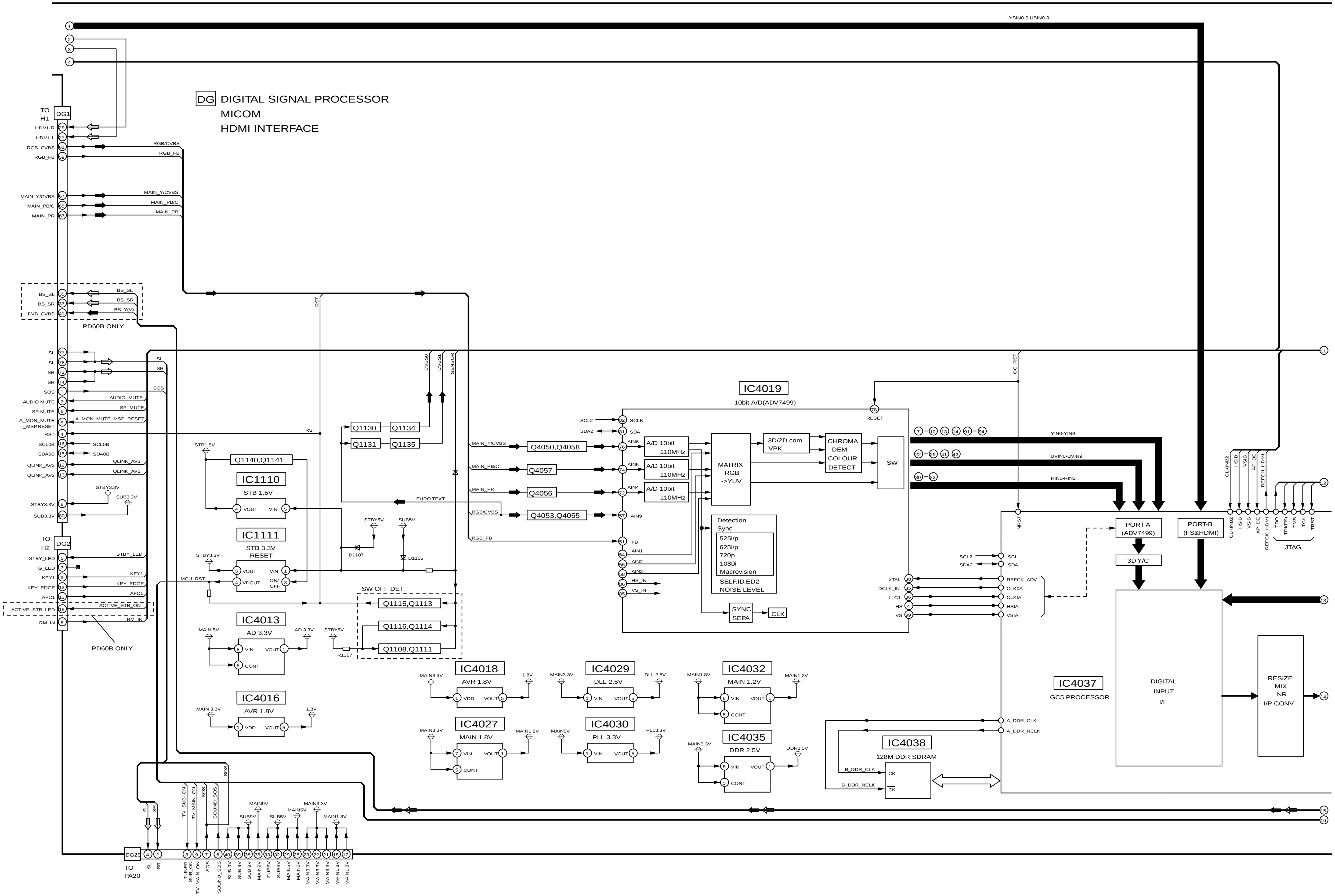
TH-37/42PA60E, TH-37/42PD60B
H and TA-Board Block Diagram

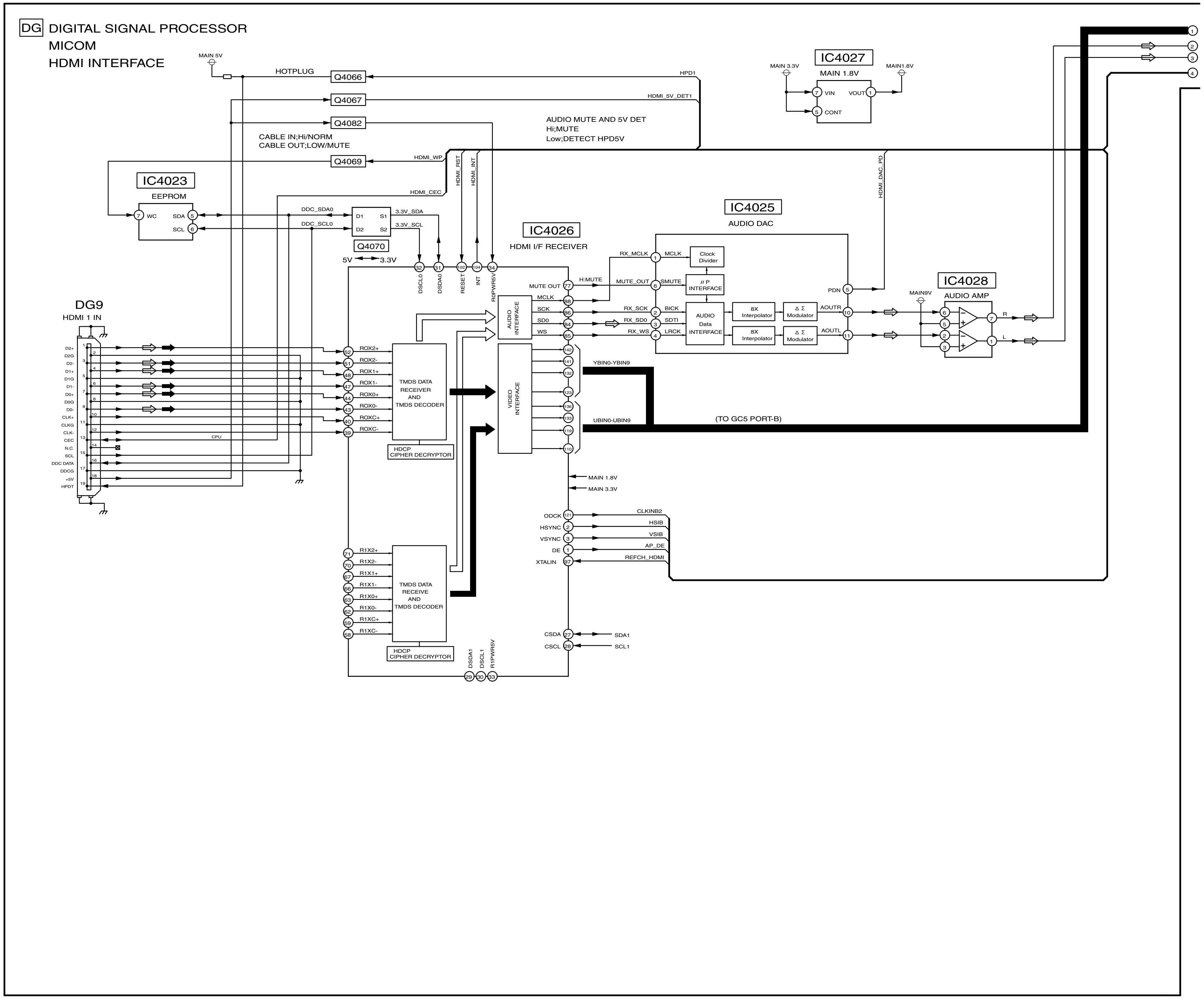
TH-37/42PA60E, TH-37/42PD60B
H and TA-Board Block Diagram

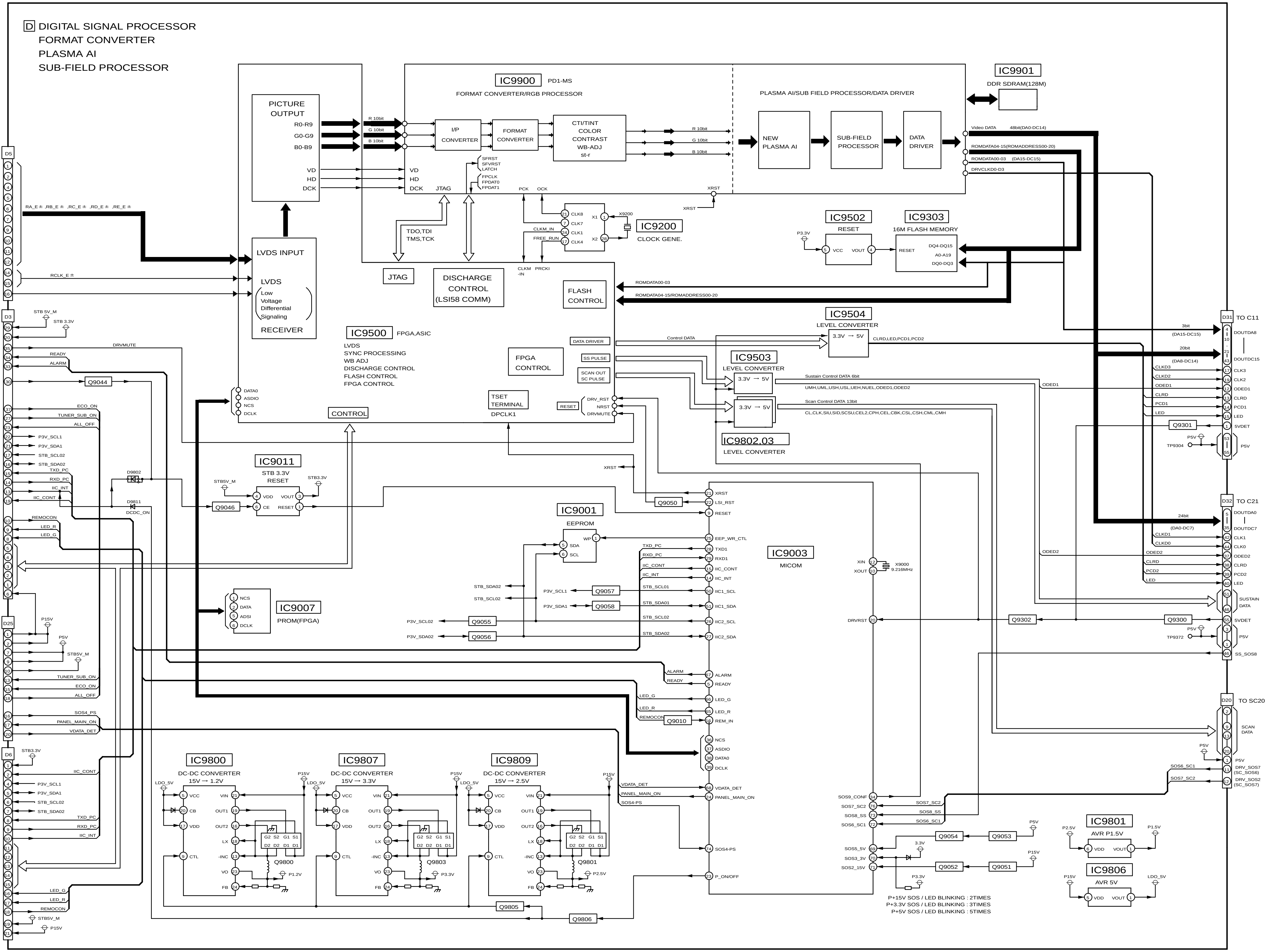

DG DIGITAL SIGNAL PROCESSOR
MICOM
HDMI INTERFACE
FOR FACTORY USE (DEBUGER)
DG7
STBY3.3V
RST
SCLOCK
EXTRG0
SDATA
TRCCLK
TRCD0
TRCD1
TRCD2
TRCD3
TRCST
TO HC15
DG15
FOR ROM(D-BOARD)
FOR IIC/SERIAL
TO D3
DG3
IC1103
MAIN MICOM
IC1105
SWITCHING
IC1106
SWITCHING
PD60B ONLY
PA60E ONLY
Q1106
Q1107
Q1109
Q1110
INV.
IC1107
Q LINK SW
Q1138
Q1122
Q1120
Q1121
Q1117,Q1118
QLINK_AV3
QLINK_AV2
QLINK_SEL
QLINK_OUT
QLINK_IN
IC1102
64K EEPROM
Q1137
Q4061
Q4062
Q4063
Q4064
TMS
TDI(FS)
TDO
D1119
Q1142,Q1143
IC1100
64M SDRAM
IC1101
16M FLASH ROM
RESET
MCU_RST
X1100
X1101
Q1100
Q1101,1139
Q1103
DISPEN
PANEL_STATUS
PANEL_SOS
PANEL_STB_ON
ECO_ON
ALL_OFF
D_STB3R3V(STBY3.3V)
D_IIC_CONT(IIC_CONT)
D_SCL2(IIC_CLK2)
D_SDA2(IIC_DATA2)
D_TXD
D_RXD
D_IIC_INT(IIC_INT)
REMOCON
R_LED(LED_R)
G_LED(LED_G)
D_15V(P15V)
D_PSTB(PSTB)
D_PBUSY(PBUSY)
D_PDB0
D_PSLCT(PSCLT)
D_PDB1(PDB1)
STBY5V
IIC_CLK1
IIC_DATA1
DISPEN(DRVMUTE)
READY(STATUS)
ALARM
PANEL_STBY_ON
ALL_OFF
ECO_ON
TUNER_SUB_ON
TO XV01
DG22
SUB9V
SUB5V
DTV_SCL0B
DTV_SDA0B
DTV_TXD(SBI1)
DTV_RXD(SBO1)
DTV_RST
PEAKS_CIN7
PEAKS_CIN0
PEAKS_YIN7
PEAKS_YIN0
PEAKS_HIN
PEAKS_VIN
PEAKS_CLKIN
BS_SL
BS_SR
DVB_CVBS
MONITOR OUT
PD60B ONLY
PORT_D
(OSD INPUT)
PORT_C
(PEAKS)
YIC0~YIC7
UVIC0~UVIC7
HSIC
VSIC
CLKIC
D/A 10bit 110MHz × 3
D/A 8bit × 2
D/A OSD CONT
PORT_E (RGB OUT)
ROE0~ROE9
GOE0~GOE9
BOE0~BOE9
VSOE
HSOE
CLKOE
PIXEL CONV. CONVERTER
AI GAMMA
OSD MIX
IC4037
GC5 PROCESSOR
IC4036
LVDS TRANSMITTER(10bit)
TTL PARALLEL DATA
LVDS (SERIAL)
TA- TA+ TB- TB+ TC- TC+ TCLK- TCLK+ TD- TD+ TE- TE+
/PDWN
TC5
TC4
CLKIN
10Bit LVDS
OSD
TO D5
DG5
TX_TE+ TX_TE- TX_TD+ TX_TD- TX_TCLK+ TX_TCLK- TX_TC+ TX_TC- TX_TB+ TX_TB- TX_TA+ TX_TA-
FOR FACTORY USE
DG35
TCK TMS TDI TDO TRST XRST
GENX_HO
GENX_CLKO
GENX_VIN
GENX_HIN
GENX_CLKIN
GENX_YS
GENX_YM
GENX_R0-R4
GENX_G0-G5
GENX_B0-B4
TRCCLK TRCST TRCD0 TRCD1 TRCD2 TRCD3 EXTRG0 SDATA SCLOCK
SCL0A SDA0A SCL0B SDA0B SCL2 SDA2
DTV BUS SEL1
DTV BUS SEL2
WP
AUDIO MUTE
SPMUTE
MSP RESET
GC_RST
HDMI_INT
HDMI_RST
HPD1
HDMI 5V DET1
CVBS1
CVBS0
HDMI_DAC_PD
HDMI_WP
QLINK_IN1
QLINK_IN2
QLINK_OUT
QLINK_SELECT
CECINA
IRQ4A
ACTIVE_STB_LED
STBY_LED
AI_SENSOR
KEYSCAN1
AFC1
KEY_EDGE
REMOTE IN
YSOUT
YMOUT0
OSDXI
HSYNC
VSYNC
HOUTA
VCLKOUTA
AGC1_TX
AGC1_RX
SDA1
SCL1
VMUTE
PANEL STATUS
PANEL_SOS
PANEL_STB_ON
ECO_ON
ALL_OFF
OSCXI
SXCO
RTCXI
RTCXO
NRST
SUB9V_DET
SUB5V_DET
MAIN3.3V_DET
STBY5V_DET
SRQ
DTV_TXD
DTV_RXD
DTV_RST
SOUND SOS
TV_MAIN_ON
TV_SUB_ON
POWER_SOS
LVDS_PD
HDMI_CEC
DVB_LED
SENSOR
KEY1
RM_IN
RST
WP
(11)
(12)
(13)
(14)
(15)
(16)

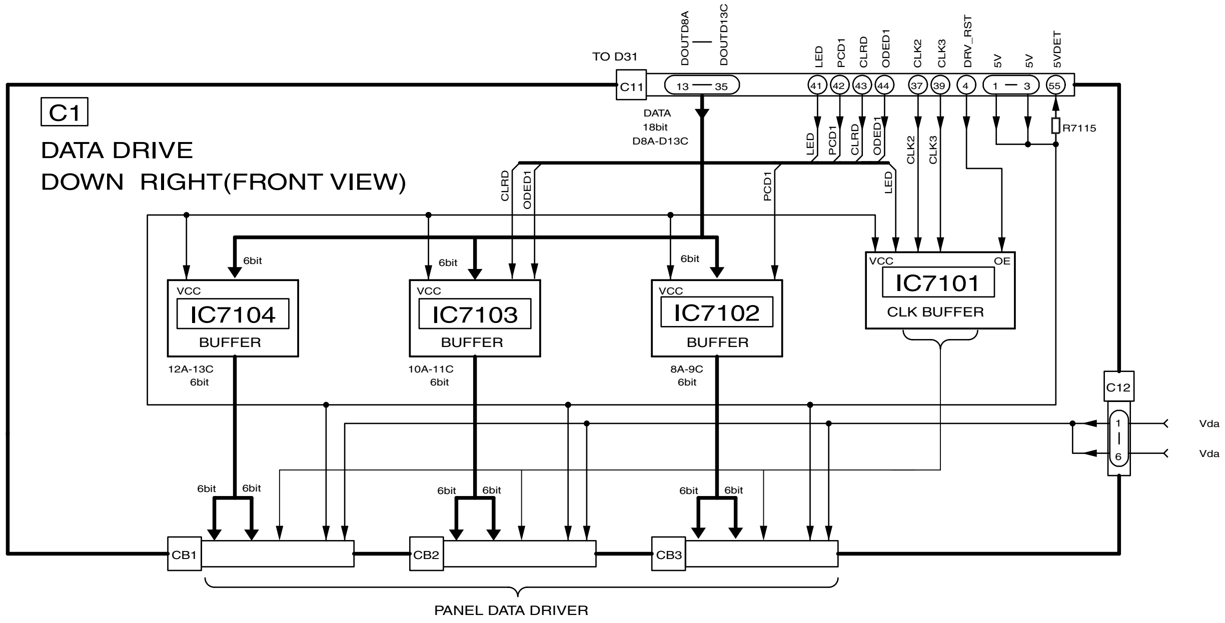
TH-37/42PA60E, TH-37/42PD60B
DG-Board Block (3 of 3) Diagram

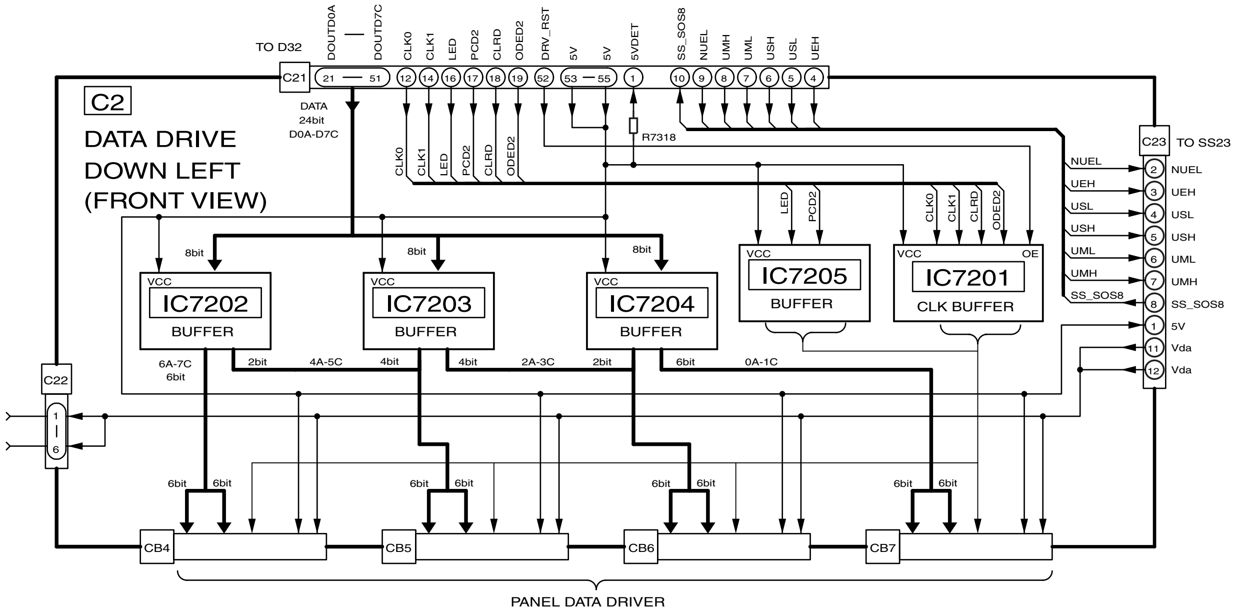
TH-37/42PA60E, TH-37/42PD60B
DG-Board (3 of 3) Block Diagram


DG DIGITAL SIGNAL PROCESSOR
MICOM
HDMI INTERFACE
TO H1 DG1
HDMI_R
HDMI_L
RGB_CVBS
RGB_FB
MAIN_Y/CVBS
MAIN_PB/C
MAIN_PR
BS_SL
BS_SR
DVB_CVBS
BS_Y(V)
PD60B ONLY
SL
SR
SOS
AUDIO MUTE
SP MUTE
A_MON_MUTE _MSP.RESET
A_MON_MUTE_MSP_RESET
RST
SCL0B
SDA0B
QLINK_AV3
QLINK_AV2
STBY3.3V
SUB3.3V
TO H2 DG2
STBY_LED
G_LED
KEY1
KEY_EDGE
AFC1
ACTIVE_STB_LED
ACTIVE_STB_ON
RM_IN
MCU_RST
YBIN0-9,UBIN0-9
Q1140,Q1141
IC1110
STB 1.5V
VOUT
VIN
IC1111
STB 3.3V
RESET
VDOUT
ON/OFF
STB1.5V
IC4013
AD 3.3V
MAIN 5V
CONT
IC4016
AVR 1.8V
MAIN 3.3V
1.8V
VDD
Q1130
Q1134
Q1131
Q1135
CVBS0
CVBS1
SENSOR
EURO TEXT
STBY5V
SUB5V
D1107
D1106
SW OFF DET
Q1115,Q1113
Q1116,Q1114
Q1108,Q1111
R1307
IC4018
AVR 1.8V
MAIN3.3V
IC4027
MAIN 1.8V
MAIN1.8V
IC4029
DLL 2.5V
DLL 2.5V
IC4030
PLL 3.3V
MAIN5V
PLL3.3V
IC4032
MAIN 1.2V
MAIN1.2V
IC4035
DDR 2.5V
DDR2.5V
IC4038
128M DDR SDRAM
B_DDR_CLK
B_DDR_NCLK
CK
IC4019
10bit A/D(ADV7499)
RESET
SCL2
SDA2
SCLK
SDA
AIN6
AIN5
AIN4
AIN9
FB
AIN1
AIN2
AIN3
HS_IN
VS_IN
Q4050,Q4058
Q4057
Q4056
Q4053,Q4055
A/D 10bit 110MHz
MATRIX RGB ->YUV
3D/2D com VPK
CHROMA DEM. COLOUR DETECT
SW
Detection Sync
525i/p
625i/p
720p
1080i
Macrovision
SELF,ID,ED2
NOISE LEVEL
SYNC SEPA
CLK
XTAL
DCLK_IN
LLC1
HS
VS
YIN0-YIN9
UVIN0-UVIN9
RIN0-RIN3
GC_RST
NRST
PORT-A (ADV7499)
PORT-B (FS&HDMI)
3D Y/C
CLKINB2
HSIB
VSIB
AP_DE
REFCK_HDMI
TDO
TDI(FS)
TMS
TCK
TRST
JTAG
REFCK_ADV
CLK0A
CLKIA
HSIA
VSIA
IC4037
GC5 PROCESSOR
DIGITAL INPUT I/F
RESIZE MIX NR I/P CONV.
A_DDR_CLK
A_DDR_NCLK
TO PA20 DG20
SL
SR
TUNER SUB_ON
TV_SUB_ON
TV_MAIN_ON
SOS
SOUND_SOS
SUB 9V
SUB9V
MAIN9V
SUB5V
MAIN5V
MAIN3.3V
MAIN1.8V


DG
DIGITAL SIGNAL PROCESSOR
MICOM
HDMI INTERFACE
MAIN 5V
HOTPLUG
Q4066
Q4067
Q4082
Q4069
CABLE IN;Hi/NORM
CABLE OUT;LOW/MUTE
AUDIO MUTE AND 5V DET
Hi;MUTE
Low;DETECT HPD5V
HPD1
HDMI_5V_DET1
HDMI_WP
HDMI_CEC
HDMI_RST
HDMI_INT
IC4023
EEPROM
WC
SDA
SCL
DDC_SDA0
DDC_SCL0
D1
D2
S1
S2
3.3V_SDA
3.3V_SCL
Q4070
5V
3.3V
IC4027
MAIN 1.8V
MAIN 3.3V
MAIN1.8V
VIN
VOUT
CONT
IC4026
HDMI I/F RECEIVER
DSCL0
DSDA0
RESET
INT
R0PWR5V
MUTE OUT
MCLK
SCK
SD0
WS
H:MUTE
AUDIO INTERFACE
VIDEO INTERFACE
YBIN0-YBIN9
UBIN0-UBIN9
(TO GC5 PORT-B)
IC4025
AUDIO DAC
HDMI_DAC_PD
RX_MCLK
MUTE_OUT
RX_SCK
RX_SD0
RX_WS
MCLK
SMUTE
BICK
SDTI
LRCK
Clock Divider
μP INTERFACE
AUDIO Data INTERFACE
8X Interpolator
Δ Σ Modulator
PDN
AOUTR
AOUTL
IC4028
AUDIO AMP
MAIN9V
R
L
DG9
HDMI 1 IN
D2+
D2G
D2-
D1+
D1G
D1-
D0+
D0G
D0-
CLK+
CLKG
CLK-
CEC
N.C.
SCL
DDC DATA
DDCG
+5V
HPDT
CPU
R0X2+
R0X2-
R0X1+
R0X1-
R0X0+
R0X0-
R0XC+
R0XC-
TMDS DATA RECEIVER AND TMDS DECODER
HDCP CIPHER DECRYPTOR
R1X2+
R1X2-
R1X1+
R1X1-
R1X0+
R1X0-
R1XC+
R1XC-
TMDS DATA RECEIVE AND TMDS DECODER
HDCP CIPHER DECRYPTOR
DSDA1
DSCL1
R1PWR5V
MAIN 1.8V
MAIN 3.3V
ODCK
HSYNC
VSYNC
DE
XTALIN
CLKINB2
HSIB
VSIB
AP_DE
REFCH_HDMI
CSDA
CSCL
SDA1
SCL1
1
2
3
4


D DIGITAL SIGNAL PROCESSOR
FORMAT CONVERTER
PLASMA AI
SUB-FIELD PROCESSOR
IC9900 PD1-MS
FORMAT CONVERTER/RGB PROCESSOR
PLASMA AI/SUB FIELD PROCESSOR/DATA DRIVER
PICTURE OUTPUT
R0-R9
G0-G9
B0-B9
VD
HD
DCK
R 10bit
G 10bit
B 10bit
I/P CONVERTER
FORMAT CONVERTER
CTI/TINT COLOR CONTRAST WB-ADJ st-r
NEW PLASMA AI
SUB-FIELD PROCESSOR
DATA DRIVER
SFRST
SFVRST
LATCH
FPCLK
FPDAT0
FPDAT1
JTAG
PCK
OCK
XRST
IC9901
DDR SDRAM(128M)
Video DATA 48bit(DA0-DC14)
ROMDATA04-15(ROMADDRESS00-20)
ROMDATA00-03 (DA15-DC15)
DRVCLKD0-D3
TO DG5
D5
E+LVDS0 (RX_TA+)
E-LVDS0 (RX_TA-)
E+LVDS1 (RX_TB+)
E-LVDS1 (RX_TB-)
E+LVDS2 (RX_TC+)
E-LVDS2 (RX_TC-)
E+LVDS3 (RX_TD+)
E-LVDS3 (RX_TD-)
E+LVDS4 (RX_TE+)
E-LVDS4 (RX_TE-)
E+LVDSCLK (RX_TCLK+)
E-LVDSCLK (RX_TCLK-)
LVDS_DET
RA_E ± ,RB_E ± ,RC_E ± ,RD_E ± ,RE_E ±
RCLK_E ±
LVDS INPUT
LVDS Low Voltage Differential Signaling RECEIVER
TDO,TDI
TMS,TCK
JTAG
DISCHARGE CONTROL (LSI58 COMM)
FLASH CONTROL
CLKM -IN
PRCKI
IC9200
CLOCK GENE.
CLK8
CLK7
CLK1
CLK4
CLKM_IN
FREE_RUN
X1
X2
X9200
IC9502
RESET
P3.3V
VCC
VOUT
IC9303
16M FLASH MEMORY
RESET
DQ4-DQ15
A0-A19
DQ0-DQ3
ROMDATA00-03
ROMDATA04-15/ROMADDRESS00-20
IC9500 FPGA,ASIC
LVDS
SYNC PROCESSING
WB ADJ
DISCHARGE CONTROL
FLASH CONTROL
FPGA CONTROL
FPGA CONTROL
DATA DRIVER
SS PULSE
SCAN OUT SC PULSE
TSET TERMINAL
DPCLK1
RESET
DRV_RST
NRST
DRVMUTE
DATA0
ASDIO
NCS
DCLK
CONTROL
IC9504
LEVEL CONVERTER
3.3V → 5V
Control DATA
CLRD,LED,PCD1,PCD2
IC9503
LEVEL CONVERTER
Sustain Control DATA 6bit
UMH,UML,USH,USL,UEH,NUEL,ODED1,ODED2
Scan Control DATA 13bit
CL,CLK,SIU,SID,SCSU,CEL2,CPH,CEL,CBK,CSL,CSH,CML,CMH
IC9802,03
LEVEL CONVERTER
TO DG3
D3
STB 5V_M
STB 3.3V
STBY 5V
STBY 3.3V
DISPEN
READY
ALARM
DRVMUTE
PANEL_STBY_ON
Q9044
ECO_ON
TUNER_SUB_ON
ALL OFF
IIC_CLK1
IIC_DATA1
IIC_CLK2
IIC_DATA2
TXD
RXD
IIC/INT
IIC_CONT
P3V_SCL1
P3V_SDA1
STB_SCL02
STB_SDA02
TXD_PC
RXD_PC
IIC_INT
IIC_CONT
D9802
D9811
DCDC_ON
REMOCON
LED_R
LED_G
(D)PSTB
(D)PBUSY
(D)PDB0
(D)PSLCT
(D)PDB1
(D)P15V
IC9011
STB 3.3V
RESET
STB5V_M
STB3.3V
VDD
VOUT
CE
RESET
Q9046
IC9001
EEPROM
WP
SDA
SCL
IC9007
PROM(FPGA)
NCS
DATA
ADSI
DCLK
IC9003
MICOM
XRST
LSI_RST
RESET
EEP_WR_CTL
TXD1
RXD1
IIC_CONT
IIC_INT
IIC1_SCL
IIC1_SDA
IIC2_SCL
IIC2_SDA
Q9050
Q9057
Q9058
Q9055
Q9056
STB_SDA02
STB_SCL02
P3V_SCL1
P3V_SDA1
P3V_SCL02
P3V_SDA02
STB_SCL01
STB_SDA01
XIN
XOUT
X9000 9.216MHz
DRVRST
ALARM
READY
LED_G
LED_R
REM_IN
Q9010
NCS
ASDIO
DATA0
DCLK
VDATA_DET
PANEL_MAIN_ON
SOS4-PS
SOS4-PS
P_ON/OFF
SOS9_CONF
SOS7_SC2
SOS8_SS
SOS6_SC1
SOS5_5V
SOS3_3V
SOS2_15V
Q9054
Q9053
Q9052
Q9051
P5V
3.3V
P15V
P3.3V
P+15V SOS / LED BLINKING : 2TIMES
P+3.3V SOS / LED BLINKING : 3TIMES
P+5V SOS / LED BLINKING : 5TIMES
TO P25
D25
+15V
+5V
STBY5V
F_STBY_ON
ECO_ON
ALL OFF
SOS4_PS
PANEL_MAIN_ON
VDATA_DET
P15V
P5V
STB5V_M
FOR FACTORY USE
D6
STB3.3V
STBY3.3V
IIC_CONT
SCL1
SDA1
SCL2
SDA2
TXD
RXD
IIC_INT
PSTB
PBUSY
PDB0
PSLCT
PDB1
LED_G
LED_R
REMOCON
STBY5V
P15V
STB5V_M
IC9800
DC-DC CONVERTER
15V → 1.2V
IC9807
DC-DC CONVERTER
15V → 3.3V
IC9809
DC-DC CONVERTER
15V → 2.5V
LDO_5V
VCC
CB
VDD
CTL
VIN
OUT1
OUT2
LX
-INC
VO
FB
G2 S2 G1 S1
D2 D2 D1 D1
Q9800
Q9803
Q9801
P1.2V
P3.3V
P2.5V
Q9805
Q9806
TO C11
D31
3bit (DA15-DC15)
20bit (DA8-DC14)
DOUTDA8
DOUTDC15
CLKD3
CLKD2
ODED1
CLRD
PCD1
LED
CLK3
CLK2
ODED1
CLRD
PCD1
LED
5VDET
Q9301
P5V
TP9304
P5V
TO C21
D32
24bit (DA0-DC7)
DOUTDA0
DOUTDC7
CLKD1
CLKD0
ODED2
CLRD
PCD2
LED
CLK1
CLK0
ODED2
CLRD
PCD2
LED
SUSTAIN DATA
5VDET
Q9302
Q9300
P5V
TP9372
SS_SOS8
TO SC20
D20
SCAN DATA
P5V
SOS6_SC1
SOS7_SC2
DRV_SOS7 (SC_SOS6)
DRV_SOS2 (SC_SOS7)
IC9801
AVR P1.5V
P2.5V
P1.5V
VDD
VOUT
IC9806
AVR 5V
P15V
LDO_5V


C1
DATA DRIVE
DOWN RIGHT(FRONT VIEW)
TO D31
C11
DOUTD8A
DOUTD13C
13 — 35
LED
PCD1
CLRD
ODED1
CLK2
CLK3
DRV_RST
5V
5V
5VDET
41 42 43 44 37 39 4 1 — 3 55
DATA
18bit
D8A-D13C
R7115
IC7104
BUFFER
12A-13C
6bit
IC7103
BUFFER
10A-11C
6bit
IC7102
BUFFER
8A-9C
6bit
IC7101
CLK BUFFER
VCC
OE
6bit
C12
1
6
Vda
Vda
CB1
CB2
CB3
PANEL DATA DRIVER


C2
DATA DRIVE
DOWN LEFT
(FRONT VIEW)
TO D32
C21
DOUTD0A
DOUTD7C
21 — 51
CLK0
CLK1
LED
PCD2
CLRD
ODED2
DRV_RST
5V
5V
5VDET
SS_SOS8
NUEL
UMH
UML
USH
USL
UEH
12 14 16 17 18 19 52 53 — 55 1 10 9 8 7 6 5 4
DATA
24bit
D0A-D7C
R7318
C23
TO SS23
2 NUEL
3 UEH
4 USL
5 USH
6 UML
7 UMH
8 SS_SOS8
1 5V
11 Vda
12 Vda
IC7202
BUFFER
6A-7C
6bit
IC7203
BUFFER
IC7204
BUFFER
IC7205
BUFFER
IC7201
CLK BUFFER
VCC
OE
8bit
2bit
4A-5C
4bit
2A-3C
0A-1C
6bit
C22
1
6
CB4
CB5
CB6
CB7
PANEL DATA DRIVER

TH-37/42PA60E, TH-37/42PD60B
C1 and C2-Board Block Diagram

TH-37/42PA60E, TH-37/42PD60B
C1 and C2-Board Block Diagram